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USAFETAC/[illegible]S--91/251

SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

MCGUIRE AFB, NEW JERSEY

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

AUGUST 1991

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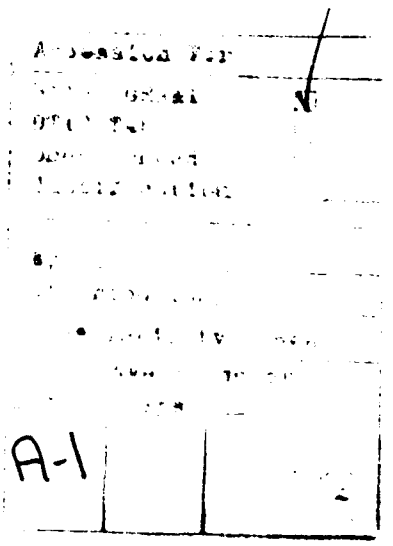
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JOSEPH L. BOYTE
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER

WALTER S. BURGMANN
SCIENTIFIC AND TECHNICAL INFORMATION
PROGRAM MANAGER





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12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.

13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.

14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, MCGUIRE AFB, NEW JERSEY, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.

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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: MAR 81 - FEB 91 (AIRWAYS).

SUMMARY OF DAY DATA: JUL 42 - MAR 46, AUG 48 - FEB 91 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
724096	MCGUIRE AFB/WRIGHTSTOWN, NJ	N 40 01	W 074 36	133	WRI	

STATION LOCATION AND INSTRUMENTATION HISTORY

Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Fort Dix/Wrightstown, NJ	AAF	Jul 42	Mar 46	N 40 02	W 074 36	124	128	24
2	McGuire AFB/Wrightstown, NJ	AFB	Aug 48	Jun 50	Same	Same	Same	Same	24
3	Same	Same	Jul 50	Jun 55	Same	Same	120	127	24
4	Same	Same	Jul 55	Apr 57	N 40 01	W 074 35	133	117	24
5	Same	Same	May 57	Dec 70	N 40 00	W 074 36	Same	148	24
6	Same	Same	Jan 71	Jan 89	N 40 01	Same	Same	Same	24

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 42	250' N of E-W runway	Anemometer	N/A	24 ft	
2	Mar 43	On NW wing of BaseOps bldg	Same	N/A	45 ft	
3	Jan 45	Same	Selsyn	ML-144B	52 ft	
4	Aug 48	On wea station roof	Same	Same	50 ft	
5	Mar 56	1500'fm SW end rwy 06,500'fm ctr	AN/GMQ-11	RO-2	16 ft	
6	Mar 57	11/2 mi S of wea station	Same	Same	20 ft	
7	Mar 58	500'N & 1500'fm end rwy 06	Same	Same	25 ft	
8	Jun 61	Same	Same	Same	15 ft	
9	Jan 62	1.500'fm rwy 06	Same	Same	Same	
		2.500'S of rwy 24	Same	Same	15 ft	
10	Oct 70	1.400'fm ctr,1400'fm end rwy 06	AN/GMQ-20	RO-362	13 ft	
		2.400'fm ctr,1400'fm end rwy 24	Same		13 ft	
11	Apr 80	1.350'fm ctr,1000'fm end rwy 06	Same	Same	Same	
		2.350'fm ctr,1000'fm end rwy 24	Same		Same	
12	Jan 89	1.Same	Same	Same	Same	
		2.Same	Same		Same	

```
PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          AAAAAA
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT         AAAAAAAA
PP      PP     AA    AA     RR     RR        TT             AA    AA
PP      PP     AA    AA     RR     RR        TT             AA    AA
PPPPPPPPP      AA    AA     RRRRRRRRR       TT             AA    AA
PPPPPPPP       AAAAAAAAAA    RRRRRRRR        TT             AAAAAAAAAA
PP             AAAAAAAAAA    RR    RR        TT             AAAAAAAAAA
PP             AA    AA      RR     RR       TT             AA    AA
PP             AA    AA      RR      RR      TT             AA    AA
PP             AA    AA      RR       RR     TT             AA    AA
```

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		8.3	1.6	5.3		15.2	16.9	1.7	.5		34.3	930
03-05		7.7	1.2	7.3		16.2	16.7	1.6	.9		35.4	930
06-08		9.2	1.4	7.4		18.1	22.4	2.8	.4		43.7	930
09-11		9.5	.1	7.6		17.2	21.9	8.8	.9		48.8	930
12-14		9.7		7.6		17.3	16.0	6.9	.6		40.9	930
15-17		9.4	.3	5.1		14.7	16.8	6.0	1.0		38.5	930
18-20		7.6	.8	4.4		12.8	16.1	3.3	.9		33.1	930
21-23	.1	7.6	1.9	4.3		13.9	16.5	3.2	.9		34.4	930
ALL HOURS	.0	8.6	.9	6.1		15.7	17.9	4.3	.8		38.6	7440

MONTH: FEB

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		9.2	.5	5.8		15.5	18.7	1.9	.6		36.6	846
03-05	.1	11.1	.5	4.6		16.2	20.2	1.4	.5		38.3	846
06-08		11.5	.1	5.3		16.9	25.5	3.9	.5		46.8	846
09-11		11.5		5.8		17.3	20.6	9.0	.9		47.8	846
12-14	.1	11.2	.4	5.1		16.7	14.8	8.9	1.1		41.4	846
15-17		10.3	.4	3.4		14.1	13.9	8.7	.7		37.5	846
18-20	.1	9.6	.2	4.9		14.7	14.6	5.5	.6		35.3	844
21-23		9.7	.2	5.5		15.4	15.5	3.4	.7		35.1	843
ALL HOURS	.0	10.5	.3	5.0		15.8	18.0	5.3	.7		39.8	6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	12.7		3.2		15.9	16.3	1.7	.1		34.1	930
03-05	.2	11.7		3.7		15.4	18.0	1.5	.3		35.2	930
06-08	.1	12.0		3.7		15.7	22.3	5.2	.1		43.2	930
09-11	.2	11.6	.2	4.0		15.8	13.1	5.5			34.4	930
12-14	.1	12.5	.1	3.4		16.0	10.3	5.1			31.4	930
15-17	.4	12.0		3.0		15.1	11.1	3.3	.1		29.6	930
18-20	.1	10.9		2.6		13.4	10.4	2.6			26.5	930
21-23	.3	12.0		3.7		15.7	12.7	2.0	.1		30.5	930
ALL HOURS	.2	11.9	.0	3.4		15.4	14.3	3.4	.1		33.1	7440

MONTH: APR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.0	15.8		1.1		16.9	20.9	3.1			40.9	900
03-05		14.3		1.9		16.2	26.0	2.3			45.0	900
06-08		15.8		1.7		17.4	29.9	5.3			52.7	900
09-11		12.9		1.7		14.6	16.6	5.6			36.7	900
12-14	.9	13.7		1.8		15.4	10.6	5.7	.2		31.9	900
15-17	.4	13.0		1.2		14.2	9.7	6.0			29.9	900
18-20	.7	13.7		.8		14.4	13.0	5.4	.3		33.2	900
21-23	.8	16.7		1.0		17.7	16.7	3.4			37.8	900
ALL HOURS	.5	14.5		1.4		15.9	17.9	4.7	.1		38.5	7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.9	12.8				12.8	25.3	4.8			42.9	930
03-05	.5	14.9				14.9	38.8	6.3			60.1	930
06-08	.1	13.5				13.5	31.2	10.9			55.6	930
09-11	.3	11.8				11.8	15.8	13.2			40.9	930
12-14	.2	11.9				11.9	9.9	12.0			33.9	930
15-17	1.7	12.9				12.9	9.0	11.1			33.0	930
18-20	2.9	13.8				13.8	11.3	8.9			34.0	930
21-23	1.4	12.2				12.2	17.2	7.0			36.3	930
ALL HOURS	1.0	13.0				13.0	19.8	9.3			42.1	7440

MONTH: JUN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.2	7.6				7.6	28.4	15.3			51.3	900
03-05	1.0	8.4				8.4	37.7	14.8			60.9	900
06-08	.2	8.6				8.6	31.9	19.1			59.6	900
09-11	.2	7.7				7.7	15.2	23.4			46.3	900
12-14	.8	6.0				6.0	7.0	25.0			38.0	900
15-17	2.2	8.8				8.8	6.0	23.4			38.2	900
18-20	3.6	9.9				9.9	10.8	21.6			42.2	900
21-23	2.3	10.1				10.1	19.8	20.0			49.9	900
ALL HOURS	1.4	8.4				8.4	19.6	20.3			48.3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.6	6.5				6.5	34.9	22.8			64.2	930
03-05	1.5	5.6				5.6	50.5	19.2			75.4	930
06-08	.9	7.8				7.8	42.5	25.6			75.9	930
09-11	1.0	6.8				6.8	14.7	36.8			58.3	930
12-14	1.2	5.8				5.8	4.9	38.0			48.7	930
15-17	3.3	6.3				6.3	4.1	38.0			48.4	930
18-20	3.0	7.0				7.0	9.0	35.9			51.9	930
21-23	2.3	6.3				6.3	22.4	30.1			58.8	930
ALL HOURS	1.8	6.5				6.5	22.9	30.8			60.2	7440

MONTH: AUG

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.3	6.6				6.6	34.4	19.1			60.1	930
03-05	1.3	6.3				6.3	51.3	17.1			74.7	930
06-08	.6	6.5				6.5	47.1	21.7			75.3	930
09-11	.3	5.5				5.5	13.0	30.4			48.9	930
12-14	.6	6.5				6.5	5.9	30.8			43.1	930
15-17	1.1	7.1				7.1	6.3	32.9			46.3	930
18-20	2.7	7.8				7.8	8.7	29.2			45.8	930
21-23	2.3	8.2				8.2	20.8	25.1			54.0	930
ALL HOURS	1.3	6.8				6.8	23.4	25.8			56.0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.4	8.6				8.6	32.4	9.7			50.7	900
03-05	.1	7.8				7.8	42.9	9.3			60.0	900
06-08	.1	8.1				8.1	46.4	15.9			70.4	900
09-11		7.1				7.1	16.3	24.1			47.6	900
12-14	.3	7.1				7.1	6.7	26.1			39.9	900
15-17	.4	7.0				7.0	6.1	24.9			38.0	900
18-20	1.0	7.8				7.8	12.9	19.9			40.6	900
21-23	1.0	8.4				8.4	24.0	13.2			45.7	900
ALL HOURS	.4	7.7				7.7	23.5	17.9			49.1	7200

MONTH: OCT

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.3	9.0				9.0	25.2	5.1			39.2	930
03-05	.1	8.4				8.4	30.9	3.1			42.4	930
06-08		8.3				8.3	37.1	8.2			53.5	930
09-11		7.1				7.1	14.7	14.3			36.1	930
12-14		9.5				9.5	7.6	11.8			28.9	930
15-17		8.8				8.8	8.1	10.6			27.5	930
18-20	.5	9.0				9.0	12.4	8.2			29.6	930
21-23	.6	10.8				10.8	18.4	5.6			34.7	930
ALL HOURS	.2	8.9				8.9	19.3	8.4			36.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	11.6	.1	.7		12.3	19.1	2.3			33.8	900
03-05	.1	13.0		.4		13.4	23.6	2.7			39.7	900
06-08		11.7		.3		12.0	31.9	4.7			48.6	900
09-11		12.6		1.0		13.6	21.4	12.1			47.1	900
12-14		11.0	.1	.4		11.6	12.1	9.7			33.3	900
15-17		11.4	.1	.3		11.9	11.4	8.0			31.3	900
18-20	.1	9.7		.4		10.1	13.2	4.1			27.4	900
21-23	.4	10.8		.7		11.4	15.9	2.4			29.8	900
ALL HOURS	.1	11.5	.0	.5		12.0	18.6	5.8			36.4	7200

MONTH: DEC

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	10.9		3.9		14.7	18.3	3.0			36.0	930
03-05		11.0	.3	3.0		14.3	20.2	2.6			37.1	930
06-08		10.3	.4	2.5		13.2	26.9	3.3	.3		43.8	930
09-11	.1	10.9	.2	3.9		14.9	20.9	9.0	.2		45.1	930
12-14		11.4		3.7		15.1	13.0	6.5			34.5	930
15-17		10.8		2.4		13.1	14.2	4.8	.1		32.3	930
18-20		9.6	.2	2.6		12.4	15.4	2.4			30.1	930
21-23		11.0	.1	3.5		14.6	16.0	2.7			33.3	930
ALL HOURS	.0	10.7	.2	3.2		14.0	18.1	4.3	.1		36.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	8.6	.9	6.1		15.7	17.9	4.3	.8		38.6	7440
FEB	.0	10.5	.3	5.0		15.8	18.0	5.3	.7		39.8	6763
MAR	.2	11.9	.0	3.4		15.4	14.3	3.4	.1		33.1	7440
APR	.5	14.5		1.4		15.9	17.9	4.7	.1		38.5	7200
MAY	1.0	13.0				13.0	19.8	9.3			42.1	7440
JUN	1.4	8.4				8.4	19.6	20.3			48.3	7200
JUL	1.8	6.5				6.5	22.9	30.8			60.2	7440
AUG	1.3	6.8				6.8	23.4	25.8			56.0	7440
SEP	.4	7.7				7.7	23.5	17.9			49.1	7200
OCT	.2	8.9				8.9	19.3	8.4			36.5	7440
NOV	.1	11.5	.0	.5		12.0	18.6	5.8			36.4	7200
DEC	.0	10.7	.2	3.2		14.0	18.1	4.3	.1		36.5	7440
ANNUAL	.6	9.9	.1	1.6		11.7	19.4	11.7	.1		43.0	87643

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.7	34.9	5.2	28.2	.1	50.7	41.9	39.3	3.8		71.5	1395
FEB	1.3	35.1	2.7	26.5	.1	50.6	42.6	38.1	3.8		67.8	1257
MAR	3.6	43.4	.7	18.9	.1	53.0	44.0	35.3	2.0		68.8	1349
APR	8.2	53.4	.2	4.4	.2	54.4	45.6	35.4	.2		68.4	1284
MAY	13.6	52.9		.2	.2	52.9	54.2	45.7		.1	75.8	1328
JUN	18.5	46.9			.9	46.9	57.7	59.1			79.1	1284
JUL	22.1	45.5			.3	45.5	63.7	69.1		.1	84.0	1335
AUG	18.3	43.6			.2	43.6	69.5	70.7			84.5	1343
SEP	7.8	40.2			.1	40.2	61.4	55.9			77.1	1330
OCT	3.1	37.1		.7		37.5	54.1	47.1		.1	71.8	1369
NOV	2.1	42.5	.1	5.7	.1	45.0	47.0	40.8	.1		72.1	1330
DEC	.3	40.2	2.8	19.9		51.3	44.0	35.9	1.2	.1	71.3	1374
ANNUAL	8.2	42.9	1.0	8.8	.2	47.6	52.1	47.7	.9	.0	74.4	15978

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02			.1	1.0	.9	1.2	1.6	1.3	.4	.3	.2	.2
03-05		.1	.2		.5	1.0	1.5	1.3	.1	.1	.1	
06-08			.1		.1	.2	.9	.6	.1			
09-11			.2		.3	.2	1.0	.3				.1
12-14		.1	.1	.9	.2	.8	1.2	.6	.3			
15-17			.4	.4	1.7	2.2	3.3	1.1	.4			
18-20		.1	.1	.7	2.9	3.6	3.0	2.7	1.0	.5	.1	
21-23	.1		.3	.8	1.4	2.3	2.3	2.3	1.0	.6	.4	
ALL HOURS	.0	.0	.2	.5	1.0	1.4	1.8	1.3	.4	.2	.1	.0
TOTAL OBS	7440	6763	7440	7200	7440	7200	7440	7440	7200	7440	7200	7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS					100.0			1
LIQUID PRECIP	8.4		17.0	29.4	11.1	16.3	17.8	669
FREEZING PRECIP	8.2		63.0	17.8	1.4	1.4	8.2	73
FROZEN PRECIP	6.0		36.8	16.5	1.5	5.1	34.0	467
FOG	16.2		16.6	14.6	7.0	21.3	24.3	1325
FOG WITH VIS GE 1/2 MILES	15.3		17.4	14.4	7.4	20.7	24.8	1205
TOTAL OBS	1068	0	795	500	305	1534	3237	7439

MONTH: FEB HOURS: ALL

TSTMS			33.3	33.3		33.3		3
LIQUID PRECIP	7.2		25.2	28.5	7.2	14.3	17.6	726
FREEZING PRECIP	5.3		68.4				26.3	19
FROZEN PRECIP	5.1		45.6	20.1	1.7	4.2	23.2	353
FOG	15.0		26.4	20.6	3.6	12.6	21.8	1210
FOG WITH VIS GE 1/2 MILES	14.4		26.1	20.5	3.9	13.2	22.0	1114
TOTAL OBS	781	0	909	718	311	1305	2739	6763

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	6.7		6.7	46.7	13.3	6.7	20.0	15
LIQUID PRECIP	5.9		18.1	41.0	7.4	13.1	14.6	903
FREEZING PRECIP			100.0					3
FROZEN PRECIP	5.9		43.1	17.1	.7	3.0	30.1	269
FOG	15.6		18.9	29.2	8.1	14.7	13.6	1060
FOG WITH VIS GE 1/2 MILES	15.1		19.1	28.3	8.3	15.2	13.9	984
TOTAL OBS	826	0	916	943	450	1423	2882	7440

MONTH: APR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	2.9		5.9	41.2	11.8	26.5	11.8	34
LIQUID PRECIP	5.5		13.4	38.1	9.4	14.8	18.9	1048
FREEZING PRECIP								
FROZEN PRECIP	4.0		20.0	9.0		5.0	62.0	100
FOG	15.1		14.5	35.4	7.4	12.1	15.5	1281
FOG WITH VIS GE 1/2 MILES	14.1		14.5	36.0	7.9	12.2	15.3	1202
TOTAL OBS	856	0	635	1177	552	1426	2554	7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	5.3		16.0	20.0	12.0	21.3	25.3	75
LIQUID PRECIP	7.8		16.0	38.3	12.7	12.2	13.1	938
FREEZING PRECIP								
FROZEN PRECIP								
FOG	20.9		14.1	29.7	9.8	15.2	10.3	1465
FOG WITH VIS GE 1/2 MILES	19.3		13.8	30.9	9.8	15.5	10.8	1372
TOTAL OBS	1083	0	762	1177	762	1866	1789	7439

MONTH: JUN HOURS: ALL

TSTMS	3.8		8.7	15.4	17.3	28.8	26.0	104
LIQUID PRECIP	11.9		15.2	40.3	10.6	14.1	7.9	546
FREEZING PRECIP								
FROZEN PRECIP								
FOG	24.8		8.5	24.9	8.7	23.7	9.4	1387
FOG WITH VIS GE 1/2 MILES	22.9		8.6	24.3	8.8	25.2	10.2	1283
TOTAL OBS	1118	1	651	833	587	2142	1868	7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFET , ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	8.0		10.2	10.9	15.3	32.1	23.4	137
LIQUID PRECIP	14.9		16.4	29.4	15.2	18.4	5.7	402
FREEZING PRECIP								
FROZEN PRECIP								
FOG	28.8		8.0	13.9	10.0	29.7	9.6	1679
FOG WITH VIS GE 1/2 MILES	27.8		8.1	13.8	10.3	30.3	9.7	1625
TOTAL OBS	1440	0	698	752	747	2138	1665	7440

MONTH: AUG HOURS: ALL

TSTMS	12.6		12.6	11.6	15.8	30.5	16.8	95
LIQUID PRECIP	11.8		26.9	30.5	8.8	13.3	8.6	442
FREEZING PRECIP								
FROZEN PRECIP								
FOG	32.4		12.0	12.5	6.4	23.3	13.3	1733
FOG WITH VIS GE 1/2 MILES	31.8		12.2	12.3	6.6	23.7	13.5	1677
TOTAL OBS	1490	0	898	870	713	1837	1632	7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	16.1		6.5	12.9		25.8	38.7	31
LIQUID PRECIP	5.3		31.7	26.0	12.2	16.2	8.6	549
FREEZING PRECIP								
FROZEN PRECIP								
FOG	26.6		14.9	14.7	6.4	26.1	11.4	1665
FOG WITH VIS GE 1/2 MILES	25.0		15.3	15.0	6.5	26.4	11.8	1595
TOTAL OBS	1454	0	984	864	551	1718	1629	7200

MONTH: OCT HOURS: ALL

TSTMS				6.7	20.0	40.0	33.3	15
LIQUID PRECIP	6.1		31.1	25.4	9.9	16.7	10.8	676
FREEZING PRECIP								
FROZEN PRECIP								
FOG	29.0		17.0	14.5	8.3	19.8	11.4	1416
FOG WITH VIS GE 1/2 MILES	27.5		17.5	14.7	8.1	20.8	11.4	1286
TOTAL OBS	1517	0	1045	677	555	1703	1943	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS			12.5		25.0	50.0	12.5	8
LIQUID PRECIP	4.9		20.6	25.8	8.4	19.5	20.9	838
FREEZING PRECIP			100.0					3
FROZEN PRECIP	2.4		61.0	2.4		4.9	29.3	41
FOG	21.9		15.5	17.9	8.0	22.0	14.8	1325
FOG WITH VIS GE 1/2 MILES	19.9		16.3	18.1	8.1	22.3	15.4	1248
TOTAL OBS	1132	0	665	692	446	1676	2589	7200

MONTH: DEC HOURS: ALL

TSTMS				33.3	33.3	33.3		3
LIQUID PRECIP	8.9		18.8	26.7	14.0	21.2	10.4	808
FREEZING PRECIP			50.0	25.0		16.7	8.3	12
FROZEN PRECIP	6.3		40.8	11.3	.8	8.8	32.1	240
FOG	17.8		15.4	15.5	9.8	24.9	16.7	1342
FOG WITH VIS GE 1/2 MILES	16.7		15.7	16.3	10.0	24.6	16.7	1264
TOTAL OBS	1004	0	825	499	337	1718	3057	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 059	060 - 139	140 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	7.3		10.4	16.3	14.6	28.6	22.8	521
LIQUID PRECIP	7.6		20.2	32.2	10.4	15.8	13.8	8545
FREEZING PRECIP	6.4		64.5	14.5	.9	2.7	10.9	110
FROZEN PRECIP	5.6		40.3	15.7	1.2	5.1	32.2	1470
FOG	22.7		14.8	19.7	7.8	20.9	14.1	16888
FOG WITH VIS GE 1/2 MILES	21.6		14.9	19.8	8.0	21.4	14.3	15855
TOTAL OBS	13769	1	9783	9702	6316	20486	27584	87641

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PPPPPPPP        AAAAAA        RRRRRRRR        TTTTTTTTTT        BBBBBBBBB
PPPPPPPPP      AAAAAAAA       RRRRRRRRR       TTTTTTTTTT        BBBBBBBBBB
PP      PP     AA      AA     RR      RR         TT             BB      BB
PP      PP     AA      AA     RR      RR         TT             BB      BB
PPPPPPPPP      AA      AA     RRRRRRRRR          TT             BBBBBBBBB
PPPPPPPP       AAAAAAAAAA     RRRRRRRR           TT             BBBBBBBBB
PP             AAAAAAAAAA     RR    RR           TT             BB      BB
PP             AA      AA     RR     RR          TT             BB      BB
PP             AA      AA     RR      RR         TT             BBBBBBBBB
PP             AA      AA     RR       RR        TT             BBBBBBBBB
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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.
THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.
THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.
THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.
THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	50.2	49.5	46.4	46.4	48.2	54.2	55.6	57.6	60.3	63.5	54.8	49.9	53.1
TRACE	15.6	17.0	18.5	17.0	14.8	13.4	13.7	13.4	12.3	11.8	12.7	17.2	14.8
.01	2.5	2.4	3.0	3.1	2.9	2.9	2.4	3.0	1.9	2.1	2.0	2.6	2.6
.02-.05	7.3	6.6	5.1	7.1	7.5	6.7	6.1	4.2	4.8	4.9	6.5	6.0	6.1
.06-.10	4.1	4.2	4.4	5.2	4.7	3.1	3.3	2.7	3.3	2.7	3.6	3.1	3.7
.11-.25	7.0	7.4	7.5	6.5	8.7	6.3	6.3	5.5	5.6	4.4	6.6	7.7	6.6
.26-.50	6.5	6.5	6.1	6.1	5.7	5.4	4.2	5.1	3.8	3.9	5.3	5.6	5.3
.51-1.00	4.9	4.7	6.3	6.1	4.6	5.1	3.5	4.6	4.3	3.4	5.7	5.0	4.8
1.01-2.50	1.8	1.7	2.7	2.4	2.7	2.7	4.1	3.0	3.3	2.9	2.7	2.9	2.7
2.51-5.00				.1	.2	.2	.8	.9	.5	.3	.2	.1	.3
5.01-10.00							.1	.1					.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	34.2	33.5	35.2	36.7	37.0	32.4	30.7	29.1	27.4	24.7	32.5	32.9	32.1
TOTAL NO. OF OBSERVATIONS	1457	1327	1425	1350	1395	1349	1399	1437	1409	1456	1406	1457	16867

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							.00*	.58*	2.01	3.74	4.22	2.83	13.38*
43	2.79	1.37	2.61	2.50	3.96	4.39	7.23	1.25	2.42	6.47	2.36	1.44	38.79
44	2.99	1.22	5.18	6.09	1.21	4.58	.96	3.73	9.35	2.48	6.99	2.55	47.33
45	2.06	3.23	2.21	2.35	2.92	4.69	9.17	2.76	3.16	2.17	5.55	5.19	45.46
46	1.65	2.10	2.98										6.73*
48								3.16*	1.29	1.80	3.93	6.34	16.52*
49	5.85	5.10	2.20	3.30	3.18	.05	2.71	3.63	2.76	1.98	1.29	2.07	34.12
50	1.87	1.94	3.81	2.16	2.84	1.67	3.69	4.43	2.07	2.95	3.31	2.64	33.38
51	2.97	2.79	4.17	2.53	5.04	4.05	.93	1.06	.82	3.84	4.96	5.29	38.45
52	4.05	2.28	5.03	6.54	4.34	2.61	5.55	7.59	2.98	.66	2.17	3.61	47.41
53	4.30	2.21	6.02	5.10	4.78	2.05	3.22	4.82	1.43	3.93	2.90	3.50	44.26
54	1.64	1.55	4.20	5.07	4.39	.81	1.29	6.03	5.25	2.65	4.96	3.55	41.39
55	.45	2.43	4.91	2.39	1.72	3.53	.71	9.88	2.43	6.40	1.27	.16	36.28
56	2.95	5.17	5.60	3.09	2.48	2.28	10.16	3.59	4.83	5.33	2.85	4.96	53.29
57	1.19	2.68	4.38	4.95	.99	1.92	4.02	.94	2.95	2.25	4.32	7.15	37.74
58	5.24	5.73	5.67	5.33	4.45	3.19	8.26	10.72	3.51	6.21	2.90	1.59	62.80
59	2.49	1.82	5.44	2.65	1.94	3.83	7.03	5.14	2.08	2.56	3.82	4.17	42.97
60	3.28	5.11	1.67	2.06	3.74	2.30	7.24	3.92	7.08	1.95	2.06	2.92	43.33
61	3.16	3.02	5.24	3.65	2.88	4.15	4.77	3.71	2.86	2.85	1.84	2.82	40.95
62	2.36	2.92	3.96	3.42	1.52	5.22	3.11	8.21	3.79	1.96	5.89	2.40	44.76
63	2.15	2.11	3.38	1.17	1.89	1.15	1.45	2.47	5.29	.08	4.61*	1.98	27.73*
64	3.52	2.69	1.14	5.44	.23	1.55	4.15	.78	3.07	2.00	1.58	4.79	30.94
65	2.87	2.27	3.73	2.42	1.12	1.74	5.15	2.10	1.53	1.28	1.23	1.79	27.23
66	2.68	4.24	1.27	3.00	4.28	1.61	2.92	1.55	8.58	4.91	2.18	3.08	40.30
67	1.26	2.44	5.08	2.59	4.01	2.23	5.80	9.23	2.69	1.83	1.90	6.58	45.64
68	3.24	.73	5.57	1.78	5.83	5.95	5.38	2.10	.99	2.65	5.75	2.92	42.89
69	2.31	1.86	2.87	2.57	2.12	4.86	8.41	2.29	4.25	2.11	3.03	7.58	44.26
70	1.81	3.01	4.56	6.25	3.12	5.19	3.48	5.12	1.46	1.87	4.48	2.42	42.77
71	2.21	4.94	3.12	2.37	4.25	2.35	3.74	15.01	5.71	3.83	5.13	2.20	54.86
72	3.11	4.77	3.17	3.09	5.75	5.57	3.09	2.56	2.62	6.85	8.83	5.22	54.63
73	3.51	2.98	4.23	6.24	3.73	4.53	3.89	2.13	4.90	3.07	1.18	7.56	47.95
74	2.88	1.93	5.14	2.86	3.02	3.04	1.58	7.16	5.37	2.71	1.30	6.21	43.20
75	5.88	2.85	3.50	3.88	4.32	8.34	6.07	2.42	8.01	5.19	2.88	2.74	56.08

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	4.24	2.29	1.56	1.27	2.53	5.51	1.29	4.12	1.66	6.76	.24	2.50	33.97
77	2.57	1.90	3.81	3.43	1.10	3.42	2.52	9.30	4.66	4.17	8.60	6.14	51.62
78	7.75	2.72	3.83	1.85	6.49	4.02	5.61	13.26	1.60	1.25	2.38	5.55	56.31
79	9.19	5.18	4.15	3.04	4.93	4.79	3.16	6.99	5.62	3.28	4.14	2.20	56.67
80	2.35	.99	7.22	4.60	2.32	2.33	2.82	2.16	2.52	3.71	3.67	.78	35.47
81	.31	4.68	1.30	4.44	4.05	4.98	2.69	5.96	3.01	3.65	1.61	4.14	40.82
82	4.46	1.97	2.37	5.21	4.37	6.21	4.57	2.04	3.11	1.58	3.29	1.99	41.17
83	2.83	2.66	7.50	8.19	6.67	5.02	1.43	3.18	3.73	4.02	7.84	6.41	59.48
84	1.80	3.81	7.37	5.57	9.17	5.66	5.02	1.75	2.28	3.24	2.96	2.45	51.08
85	1.25	2.46	2.11	.74	3.97	2.97	4.90	3.25	4.64	1.59	7.24	.99	36.11
86	4.21	2.84	2.05	6.34	.68	1.30	7.66	3.14	4.07	1.80	5.97	5.36	45.42
87	5.35	1.64	2.61	5.69	3.83	5.56	8.55	4.56	3.15	3.46	2.67	2.64	49.71
88	3.85	4.26	2.48	2.42	3.98	2.43	3.70	2.92	2.00	2.67	6.10	1.00	37.81
89	2.01	3.39	4.09	3.21	8.26	4.95	13.19	2.85	7.21	4.22	2.35	1.04	56.77
90	4.26	1.66	2.96	4.32	6.54	2.77	1.99	11.25	1.92	5.02	1.31	4.31	48.31
91	4.63	1.05											5.68*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.31	.73	1.14	.74	.23	.05	.71	.78	.82	.08	.24	.16	27.23
GREATEST	9.19	5.73	7.50	8.19	9.17	8.34	13.19	15.01	9.35	6.85	8.83	7.58	62.80
MEAN	3.19	2.83	3.86	3.71	3.66	3.58	4.54	4.73	3.59	3.21	3.64	3.57	44.64
MEDIAN	2.88	2.66	3.82	3.21	3.83	3.53	3.89	3.63	3.01	2.85	3.00	2.92	43.80
SD	1.719	1.278	1.616	1.703	1.939	1.741	2.760	3.414	2.034	1.638	2.117	1.955	8.162
TOTAL OBS	1457	1327	1425	1350	1395	1349	1399	1437	1409	1456	1406	1457	16867

THE GREATEST VALUE OF 15.01 OCCURRED ON 08/71

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							.00*	.41*	.94	1.14	1.19	1.20	1.20*
43	1.31	.58	1.27	1.22	.97	1.68	4.65	.36	1.21	1.58	.70	1.31	4.65
44	.98	.28	1.81	1.84	.35	1.32	.45	2.95	4.18	1.57	2.59	.83	4.18
45	.77	.54	.85	.55	.84	1.20	2.33	.73	1.01	.73	2.24	1.54	2.33
46	.47	.77	1.08										1.08*
48								1.26*	.63	.75	.85	1.97	1.97*
49	1.13	1.99	1.00	.78	.91	.05	1.02	2.08	.90	.63	.64	.38	2.08
50	.62	.45	1.07	.70	.85	.61	2.03	1.35	1.12	2.04	2.43	.70	2.43
51	.70	1.15	1.61	.76	1.25	1.28	.42	.65	.37	2.00	1.15	1.23	2.00
52	.58	1.01	1.62	2.59	1.59	1.66	2.77	2.18	2.23	.63	1.05	1.07	2.77
53	.91	1.62	1.93	.81	1.15	1.11	1.65	2.01	.75	1.63	.90	1.36	2.01
54	.59	.65	.89	1.74	1.29	.32	.68	2.43	2.86	.86	1.96	1.01	2.86
55	.21	.79	1.56	.73	.70	.95	.45	2.77	.71	3.21	.59	.12	3.21
56	.71	1.61	1.26	1.29	.74	.73	4.15	1.31	2.29	1.76	1.20	1.78	4.15
57	.23	.80	1.04	1.02	.36	.83	1.76	.74	.85	1.42	.88	2.50	2.50
58	1.94	2.41	2.29	1.34	1.10	.81	2.56	3.11	1.40	1.71	1.32	.89	3.11
59	.58	.84	1.98	.87	1.26	2.24	1.59	1.56	1.10	.89	1.08	1.06	2.24
60	.84	1.30	.44	.59	1.17	.89	3.87	.93	3.10	1.00	.71	.75	3.87
61	.86	.64	1.23	1.57	1.21	.82	1.42	1.08	1.20	1.36	.56	.79	1.57
62	1.26	.57	1.08	1.12	.96	1.90	1.70	3.58	1.79	.48	1.73	.96	3.58
63	.48	.92	.84	.83	1.02	.45	.59	.99	1.77	.07	1.23*	1.06	1.77*
64	.86	.44	.36	.97	.10	.83	2.23	.32	1.17	.96	.89	1.51	2.23
65	1.44	.73	.69	.56	.37	.54	2.58	.68	.61	.53	.45	1.04	2.58
66	.74	2.14	.44	.85	1.29	.70	1.65	.51	3.76	3.01	.90	.96	3.76
67	.71	.81	2.23	1.27	1.52	1.33	1.32	2.30	.64	.72	.70	1.97	2.30
68	2.19	.31	1.94	1.26	2.75	3.45	2.99	.94	.60	1.39	2.13	1.31	3.45
69	.70	.86	.78	.73	1.04	1.22	1.93	.56	3.27	.58	.75	1.54	3.27
70	.50	.82	1.10	2.00	.86	1.88	1.13	3.18	.62	1.10	.97	.71	3.18
71	.63	1.43	.78	1.32	1.86	1.19	1.07	9.61	1.68	1.80	1.63	1.34	9.61
72	.75	1.10	.73	.80	1.69	1.83	1.83	1.90	.73	2.33	3.40	.82	3.40
73	1.27	1.54	1.60	1.05	.83	1.06	1.57	1.26	1.36	2.77	.40	2.66	2.77
74	.65	.38	1.47	1.04	.62	.97	1.00	3.29	1.46	1.49	.74	2.41	3.29
75	1.14	.84	.92	1.26	1.18	2.33	1.73	1.19	2.11	2.51	.83	.91	2.51

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	1.62	.91	.48	.74	.97	4.06	.23	2.22	.77	3.32	.15	1.56	4.06
77	1.38	1.60	1.98	.82	.48	1.45	1.50	2.00	1.43	1.67	2.98	1.35	2.98
78	1.39	1.81	1.66	.78	2.91	.67	2.79	7.39	.62	.44	.57	1.87	7.39
79	2.23	1.23	2.16	.93	1.11	1.22	1.38	2.29	1.83	1.21	1.15	.63	2.29
80	.72	.51	1.33	2.10	.52	.83	1.43	1.33	1.15	2.28	1.45	.30	2.28
81	.18	1.29	.57	.89	1.55	2.01	1.71	4.39	1.13	.79	.50	1.10	4.39
82	1.61	.95	.74	1.04	2.84	2.31	3.13	.50	.71	1.24	1.20	.72	3.13
83	1.46	1.09	1.46	2.26	1.57	1.88	.55	1.11	1.62	.96	2.15	1.44	2.26
84	.38	1.55	2.11	1.90	2.27	3.02	1.01	1.13	.88	.82	1.01	.56	3.02
85	.38	.97	.53	.39	1.75	.67	1.33	.87	2.98	1.12	1.77	.39	2.98
86	2.22	.98	.96	3.69	.43	.81	2.05	1.13	1.24	.62	1.15	1.29	3.69
87	1.26	.80	.92	2.31	1.03	1.74	1.73	1.17	1.02	1.65	1.11	.68	2.31
88	1.64	1.72	1.23	.64	1.39	1.99	1.55	1.63	.94	1.89	1.36	.31	1.99
89	.54	1.48	1.20	.89	2.06	.88	5.94	.98	4.26	1.43	.65	.48	5.94
90	.97	.61	.91	1.44	1.93	.71	.82	2.95	1.54	2.30	1.00	.92	2.95
91	1.03	.28											1.03*
GREATEST	2.23	2.41	2.29	3.69	2.91	4.06	5.94	9.61	4.26	3.32	3.40	2.66	9.61
TOTAL OBS	1457	1327	1425	1350	1395	1349	1399	1437	1409	1456	1406	1457	16867

THE GREATEST VALUE OF 9.61 OCCURRED ON 08/27/71

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	71.3	73.1	80.9	95.6	99.8	100.0	100.0	100.0	100.0	99.2	93.9	79.4	91.0
TRACE	16.4	15.1	11.9	3.4	.2					.7	5.4	14.0	5.6
0.1-0.4	3.4	3.6	2.4	.2							.2	2.6	1.0
0.5-1.4	3.3	3.8	2.2	.4						.1	.2	1.8	1.0
1.5-2.4	2.8	1.2	1.2	.1							.1	.8	.5
2.5-3.4	.8	1.5	.2	.2							.1	.5	.3
3.5-4.4	.7	.7	.2	.1							.1	.2	.2
4.5-6.4	.7	.3	.6	.1							.1	.5	.2
6.5-10.4	.4	.3	.3								.2	.3	.1
10.5-15.4	.1	.2											.0
15.5-25.4		.1	.1										.0
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	12.2	11.8	7.2	1.0						.1	.8	6.7	3.3
TOTAL NO. OF OBSERVATIONS	1364	1241	1332	1260	1302	1259	1302	1324	1289	1332	1286	1332	15623

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							*	*	*	*	*	*	.0*
43	*	*	*	*	*	*	*	*	*	*	*	*	.0*
44	*	*	*	*	*	*	*	*	*	*	*	*	.0*
45	*	*	*	*	*	*	*	*	*	*	*	*	.0*
46	1.1	1.7	.0										2.8*
48								.0*	.0	.0	.0	7.2	7.2*
49	6.2	8.7	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.5
50	.2	.1	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.7
51	1.1	1.8	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4	7.8
52	3.6	TRACE	7.5	.0	.0	.0	.0	.0	.0	TRACE	2.0	1.0	14.1
53	7.9	TRACE	6.8	TRACE	.0	.0	.0	.0	.0	.0	6.7	TRACE	21.4
54	11.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.0
55	2.1	6.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	3.0	1.2	14.6
56	7.8	1.3	16.5	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	28.0
57	3.2	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	9.6	15.5
58	3.1	18.6	26.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.9	50.4
59	5.5	TRACE	.5	.2	.0	.0	.0	.0	.0	.0	.3	11.0	17.5
60	2.5	3.9	8.1	TRACE	.0	.0	.0	.0	.0	.0	.0	13.1	27.6
61	18.4	10.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	35.5
62	1.1	9.5	10.5	TRACE	.0	.0	.0	.0	.0	1.0	TRACE	3.7	25.8
63	5.3	1.9	.5	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE*	7.7	15.4*
64	6.8	13.3	5.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	25.2
65	18.4	2.4	8.9	2.9	.0	.0	.0	.0	.0	TRACE	TRACE	.0	32.6
66	18.4	11.4	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	14.4	44.4
67	1.0	22.4	9.6	.2	.0	.0	.0	.0	.0	.0	8.6	5.3	47.1
68	.7	4.1	6.4	.0	.0	.0	.0	.0	.0	.0	.8	8.9	20.9
69	3.0	10.4	15.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.6	32.0
70	13.4	3.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.9	22.7
71	8.7	.7	3.0	9.4	.0	.0	.0	.0	.0	.0	TRACE	.2	22.0
72	4.0	9.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	13.2
73	TRACE	.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.7	2.3
74	5.6	15.5	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	21.2
75	5.8	6.6	2.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	17.6

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	5.4	4.6	5.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.3	20.5
77	11.7	.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.3	.3	12.8
78	17.2	27.2	12.6	TRACE	.0	.0	.0	.0	.0	.0	4.5	.5	62.0
79	11.5	20.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	6.8	38.5
80	4.0	.2	6.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.3	12.2
81	4.8	TRACE	4.8	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4	13.0
82	15.0	.8	.1	.9	.0	.0	.0	.0	.0	.0	.0	5.6	22.4
83	.2	17.3	TRACE	2.5	.0	.0	.0	.0	.0	.0	TRACE	.3	20.3
84	10.1	TRACE	9.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	20.8
85	9.1	4.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	2.1	15.8
86	1.5	10.7	TRACE	1.0	.0	.0	.0	.0	.0	.0	.0	.1	13.3
87	12.8	19.5	1.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.4	36.2
88	14.2	.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	2.1	17.1
89	3.1	.9	.9	.0	.0	.0	.0	.0	.0	.0	5.5	7.5	17.9
90	2.2	3.3	1.9	3.1	.0	.0	.0	.0	.0	.0	.0	5.2	15.7
91	7.3	3.2											10.5*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
GREATEST	18.4	27.2	26.8	9.4	TRACE	.0	.0	.0	.0	1.0	8.6	14.4	62.0
MEAN	6.7	6.4	4.1	.5	TRACE	.0	.0	.0	.0	TRACE	.7	3.5	22.6
MEDIAN	5.5	3.5	1.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.1	20.5
SD	5.465	7.199	5.727	1.624	.000	.000	.000	.000	.000	.152	1.971	3.816	12.683
TOTAL OBS	1364	1241	1332	1260	1302	1259	1302	1324	1289	1332	1286	1332	15623

THE GREATEST VALUE OF 27.2 OCCURRED ON 02/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	1.0	1.7	.0										1.7*
48								.0*	.0	.0	.0	6.7	6.7*
49	5.5	5.7	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
50	.2	.1	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.4
51	.6	1.4	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4	4.4
52	1.8	TRACE	7.2	.0	.0	.0	.0	.0	.0	TRACE	2.0	1.0	7.2
53	3.6	TRACE	6.8	TRACE	.0	.0	.0	.0	.0	.0	6.7	TRACE	6.8
54	6.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.4
55	2.0	4.4	2.3	TRACE	.0	.0	.0	.0	.0	.0	3.0	1.0	4.4
56	3.0	1.0	6.3	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	6.3
57	1.7	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.0	5.0
58	2.2	9.7	20.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	20.1
59	2.8	TRACE	.3	.2	.0	.0	.0	.0	.0	.0	.3	5.5	5.5
60	1.3	1.6	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	6.7	6.7
61	8.9	3.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	8.9
62	.4	3.7	7.9	TRACE	.0	.0	.0	.0	.0	1.0	TRACE	2.1	7.9
63	3.5	.9	.3	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE*	4.8	4.8*
64	6.8	4.4	2.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.8
65	14.5	.9	4.2	2.9	.0	.0	.0	.0	.0	TRACE	TRACE	.0	14.5
66	8.1	4.2	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	7.1	8.1
67	1.0	9.6	3.0	.2	.0	.0	.0	.0	.0	.0	8.6	3.3	9.6
68	.3	3.0	4.0	.0	.0	.0	.0	.0	.0	.0	.8	8.0	8.0
69	1.5	6.0	6.8	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2	6.8
70	4.6	2.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.6
71	4.6	.5	1.1	5.8	.0	.0	.0	.0	.0	.0	TRACE	.2	5.8
72	3.1	3.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	3.1
73	TRACE	.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
74	4.5	7.8	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.8
75	4.6	2.7	1.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.3	4.6

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	2.0	2.5	4.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	4.8
77	4.4	.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.3	.3	4.4
78	8.0	18.1	6.0	TRACE	.0	.0	.0	.0	.0	.0	4.5	.5	18.1
79	4.7	11.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	6.4	11.6
80	3.8	.2	3.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	3.8
81	3.0	TRACE	4.8	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3	4.8
82	6.8	.8	.1	.9	.0	.0	.0	.0	.0	.0	.0	5.6	6.8
83	.2	12.9	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.3	12.9
84	3.6	TRACE	6.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	6.3
85	3.8	3.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.8	3.8
86	.7	3.7	TRACE	1.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7
87	8.0	13.0	1.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	13.0
88	6.0	.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.8	6.0
89	3.1	.5	.9	.0	.0	.0	.0	.0	.0	.0	4.2	4.7	4.7
90	2.0	2.0	1.3	3.1	.0	.0	.0	.0	.0	.0	.0	2.9	3.1
91	4.0	2.0											4.0*
GREATEST	14.5	18.1	20.1	5.8	TRACE	.0	.0	.0	.0	1.0	8.6	8.0	20.1
TOTAL OBS	1364	1241	1332	1260	1302	1259	1302	1324	1289	1332	1286	1332	15623

THE GREATEST VALUE OF 20.1 OCCURRED ON 03/20/58

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	67.5	71.1	87.3	98.7	100.0	100.0	100.0	100.0	100.0	99.9	99.0	82.3	92.1
TRACE	9.3	10.1	4.6	.7							.5	7.4	2.7
1	6.7	5.7	2.0	.4						.1	.2	3.0	1.5
2	5.0	3.6	1.5	.1							.1	2.1	1.0
3	3.2	2.7	1.1	.1								1.7	.7
4-6	4.7	3.6	2.2	.1							.1	2.2	1.1
7-12	3.1	1.9	1.3									1.2	.6
13-24	.6	1.2	.1										.2
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	23.2	18.8	8.1	.7						.1	.5	10.3	5.1
TOTAL NO. OF OBSERVATIONS	1457	1327	1426	1350	1395	1350	1406	1448	1409	1456	1406	1457	16887

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							0*	0	0	0	0	2	2*
43	5	2	1	0	0	0	0	0	0	0	0	0	5
44	2	2	5	TRACE	0	0	0	0	0	0	0	1	5
45	6	5	0	0	0	0	0	0	0	0	0	7	7
46	TRACE	TRACE	0										TRACE*
48								0*	0	0	0	6	6*
49	3	3	6	0	0	0	0	0	0	0	0	TRACE	6
50	TRACE	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	TRACE	TRACE
51	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	0	2	2
52	1	TRACE	9	0	0	0	0	0	0	0	2	TRACE	9
53	4	0	6	0	0	0	0	0	0	0	1	0	6
54	10	TRACE	0	0	0	0	0	0	0	0	0	0	10
55	1	4	1	0	0	0	0	0	0	0	TRACE	1	4
56	5	1	11	1	0	0	0	0	0	0	0	0	11
57	2	2	TRACE	0	0	0	0	0	0	0	0	6	6
58	2	16	14	TRACE	0	0	0	0	0	0	0	1	16
59	5	TRACE	TRACE	TRACE	0	0	0	0	0	0	TRACE	5	5
60	1	1	8	0	0	0	0	0	0	0	0	10	10
61	16	11	0	0	0	0	0	0	0	0	0	5	16
62	TRACE	4	8	0	0	0	0	0	0	1	0	TRACE	8
63	3	3	TRACE	0	0	0	0	0	0	0	0*	5	5*
64	7	7	4	0	0	0	0	0	0	0	0	2	7
65	10	1	4	3	0	0	0	0	0	0	0	0	10
66	13	14	0	0	0	0	0	0	0	0	0	11	14
67	1	13	3	0	0	0	0	0	0	0	0	8	13
68	3	1	4	0	0	0	0	0	0	0	0	8	8
69	3	6	10	0	0	0	0	0	0	0	0	1	10
70	7	2	2	0	0	0	0	0	0	0	0	1	7
71	3	TRACE	1	4	0	0	0	0	0	0	0	TRACE	4
72	4	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	TRACE	4
73	TRACE	TRACE	0	0	0	0	0	0	0	0	0	2	2
74	3	7	TRACE	TRACE	0	0	0	0	0	0	TRACE	0	7
75	3	3	1	0	0	0	0	0	0	0	0	2	3

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	2	2	5	0	0	0	0	0	0	0	0	4	5
77	5	2	0	0	0	0	0	0	0	0	0	TRACE	5
78	8	21	7	0	0	0	0	0	0	0	1	TRACE	21
79	6	15	0	0	0	0	0	0	0	0	0	7	15
80	5	TRACE	4	1	0	0	0	0	0	0	0	1	5
81	3	0	5	0	0	0	0	0	0	0	0	2	5
82	11	1	TRACE	1	0	0	0	0	0	0	0	5	11
83	TRACE	16	0	2	0	0	0	0	0	0	0	TRACE	16
84	7	0	8	0	0	0	0	0	0	0	0	TRACE	8
85	3	3	0	0	0	0	0	0	0	0	0	2	3
86	1	4	0	1	0	0	0	0	0	0	0	TRACE	4
87	9	13	3	0	0	0	0	0	0	0	1	2	13
88	8	1	0	0	0	0	0	0	0	0	0	2	8
89	3	1	2	0	0	0	0	0	0	0	4	4	4
90	1	2	TRACE	1	0	0	0	0	0	0	0	5	5
91	3	2											3*
GREATEST	16	21	14	4	0	0	0*	0*	0	1	4*	11	21*
TOTAL OBS	1457	1327	1426	1350	1395	1350	1406	1448	1409	1456	1406	1457	16887

THE GREATEST VALUE OF 21 OCCURRED ON 02/07/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ

PERIOD OF RECORD: 4207-4603,4808-9102
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
42 - 43			DEC 10			MAR 04
43 - 44			JAN 16			MAR 21
44 - 45			DEC 19			FEB 21
45 - 46	JAN 11	JAN 20	DEC 11	FEB 24	FEB 19	DEC 25
48 - 49	DEC 10	DEC 19	DEC 20	APR 01	MAR 18	MAR 20
49 - 50	NOV 25	JAN 19		APR 14	MAR 13	
50 - 51	NOV 21	JAN 27		MAR 22	MAR 22	
51 - 52	NOV 02	DEC 14	DEC 15	MAR 16	MAR 07	MAR 04
52 - 53	OCT 20	NOV 30	NOV 30	APR 20	MAR 08	MAR 10
53 - 54	NOV 06	NOV 06	NOV 07	APR 05	JAN 14	JAN 20
54 - 55	NOV 03	JAN 13	JAN 13	APR 07	MAR 18	MAR 18
55 - 56	NOV 19	NOV 19	DEC 10	APR 24	APR 08	APR 08
56 - 57	DEC 02	JAN 07	JAN 07	APR 09	FEB 28	FEB 02
57 - 58	OCT 27	DEC 03	DEC 04	APR 09	MAR 21	MAR 25
58 - 59	NOV 03	DEC 08	DEC 09	APR 13	APR 12	JAN 29
59 - 60	NOV 02	NOV 29	DEC 22	APR 06	MAR 22	MAR 22
60 - 61	DEC 08	DEC 11	DEC 12	APR 13	FEB 16	FEB 17
61 - 62	NOV 09	DEC 09	DEC 10	APR 16	MAR 10	MAR 11
62 - 63	OCT 25	OCT 26	OCT 26	MAY 01	MAR 11	FEB 26
63 - 64	NOV 30	DEC 12	DEC 12	APR 09	MAR 22	MAR 22
64 - 65	NOV 30	JAN 10	DEC 20	APR 02	APR 02	APR 02
65 - 66	OCT 28	JAN 20	JAN 23	MAR 27	MAR 06	FEB 26
66 - 67	NOV 30	DEC 21	DEC 21	APR 27	APR 27	MAR 24
67 - 68	NOV 09	NOV 30	DEC 01	MAR 24	MAR 12	MAR 04
68 - 69	NOV 12	NOV 12	DEC 15	MAR 30	MAR 07	MAR 14
69 - 70	NOV 14	DEC 01	DEC 26	MAR 31	MAR 31	MAR 30
70 - 71	DEC 06	DEC 21	DEC 22	APR 07	APR 07	APR 07
71 - 72	NOV 10	DEC 18	JAN 27	APR 22	FEB 23	FEB 25
72 - 73	OCT 18	FEB 16		APR 11	FEB 16	
73 - 74	DEC 11	DEC 16	DEC 17	APR 10	MAR 29	FEB 28
74 - 75	NOV 21	JAN 13	JAN 20	APR 04	MAR 15	MAR 11
75 - 76	NOV 25	DEC 08	DEC 22	APR 09	MAR 11	MAR 11

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ

PERIOD OF RECORD: 4207-4603,4808-9102
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
76 - 77	NOV 08	DEC 26	DEC 26	MAY 09	FEB 04	FEB 09
77 - 78	NOV 27	NOV 27	JAN 02	APR 03	MAR 17	MAR 18
78 - 79	NOV 27	NOV 27	NOV 27	MAR 26	FEB 19	FEB 23
79 - 80	OCT 10	DEC 19	DEC 20	APR 01	MAR 31	APR 01
80 - 81	NOV 17	DEC 15	DEC 23	MAR 25	MAR 05	MAR 07
81 - 82	NOV 22	DEC 14	DEC 16	APR 09	APR 06	APR 07
82 - 83	DEC 10	DEC 12	DEC 12	APR 20	APR 20	APR 20
83 - 84	NOV 17	DEC 24	JAN 11	APR 22	MAR 13	MAR 13
84 - 85	NOV 19	DEC 27	JAN 05	APR 09	FEB 06	FEB 11
85 - 86	DEC 02	DEC 06	DEC 21	APR 23	APR 23	APR 23
86 - 87	DEC 11	DEC 11	JAN 23	APR 06	MAR 13	MAR 13
87 - 88	NOV 06	DEC 28	NOV 12	APR 16	FEB 12	FEB 28
88 - 89	DEC 09	DEC 10	DEC 18	MAR 11	MAR 06	MAR 10
89 - 90	NOV 19	NOV 22	NOV 23	APR 07	APR 07	APR 07
90 - 91	DEC 05	DEC 27	DEC 28	FEB 27	FEB 26	FEB 26
MEDIAN-DATE	NOV 19	DEC 14	DEC 19	APR 08	MAR 13	MAR 11

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PPPPPPPP          AAAAAA        RRRRRRRR        TTTTTTTTTT            CCCCCC
PPPPPPPPP        AAAAAAAA       RRRRRRRRR       TTTTTTTTTT           CCCCCCCC
PP       PP     AA      AA      RR      RR          TT              CC      CC
PP       PP     AA      AA      RR      RR          TT              CC
PPPPPPPPP       AA      AA      RRRRRRRRR           TT              CC
PPPPPPPP        AAAAAAAAAA      RRRRRRRR            TT              CC
PP              AAAAAAAAAA      RR    RR            TT              CC
PP              AA      AA      RR     RR           TT              CC      CC
PP              AA      AA      RR      RR          TT             CCCCCCCC
PP              AA      AA      RR       RR         TT              CCCCCC
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PART C

SURFACE WIND SUMMARIES

PEAK WINDS.
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.
ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
42							*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	SW 47	NW 45	WNW 43										SW *47
48								NE *20	*	NNE*33	S 36	NNW 37	NNW*37
49	NNW 35	NW 35	W 39	WSW 44	W *32	SE 27	WSW 32	SE 41	NW *30	SSW*30	NW 35	WNW 31	WSW*44
50	WNW 43	WNW 44	NNE 48	S 35	SW 33	SW 35	SSW*53	S 25	NNW*26	ESE*25	ESE 73	ESE 39	ESE*73
51	SW 49	W 42	ENE*48	*	W *32	NW 28	WNW 43	SW 32	SSE 29	NW 42	ESE 49	WNW 49	SW *49
52	SE 42	NW 48	SSE 54	SE 33	WNW 42	NNW 38	NW 38	SSW 70	SSE 41	NNW 39	ESE 45	SSE 34	SSW 70
53	S 49	WNW 42	NW 45	WNW 42	WSW 36	W 34	WNW 42	SSW 40	SSE 35	NW 31	NNW 40	SW 42	S 49
54	WNW 37	SE 43	ESE 38	W 29	W 30	NW 30	SSW*35	W *34	NW *35	*	WSW 43	SSE 36	SE *43
55	W 41	SSW 43	WSW 50	E 39	WSW 30	*	*	*	*	*	W 37	NW 32	WSW*50
56	NE 43	W *50	ENE*36	WNW*38	WNW*35	NNW*26	WSW*31	N 30	ENE 35	WNW 29	NW 41	WNW 37	W *50
57	SW 40	WNW*33	NW 39	WNW*40	WSW*28	WSW*35	SW *30	NNE*21	WSW*27	NW *32	SSW 41	NNE*40	SSW*41
58	ENE*45	ENE 48	NW *32	SW *32	NNW*32	WNW 39	W 29	W 30	W 26	NW *29	S 42	W 35	ENE*48
59	W 43	WNW 36	WNW 40	WNW 31	WNW 26	WNW 36	W 29	NE 22	N 21	WNW 27	WNW 37	SW 38	W 43
60	S 38	W 44	W 34	W 35	WNW 30	WSW 34	NW 33	NNE 36	NW 56	W 33	W 32	NE 42	NW 56
61	N 34	ENE 36	E 38	E 50	WNW 32	W 71	WNW 26	NW *22	NNW*39	WNW*28	NW *36	W 37	W *71
62	S 33	W 31	NE 46	W 40	W 30	SW 30	W 33	N 30	SSW 25	SSW 30	NE 40	WNW 51	WNW 51
63	WNW 38	NW 32	W *34	WNW*49	NNW*45	NW *26	NW *27	WNW*39	NW 29	NNW*25	WSW*34	W 33	WNW*49
64	NNE 39	NNW 35	WNW*45	NW 48	WNW*32	WSW*42	ESE*25	WNW*25	NNE*25	NW 31	NNW 38	NNW 42	NW *48
65	NW 40	SW 39	NW 33	W 41	WNW 36	NNE 28	WNW 40	WSW 26	W 30	WNW 35	WNW 46	N 33	WNW 46
66	W 49	W 35	WNW 45	NW 29	W 38	NNW 32	NW 37	WNW 39	WNW 30	NW 35	SE 35	NNE 34	W 49
67	NW 43	W 48	NW 38	N 40	N 43	SW 32	ESE 27	S 32	NNE 32	SSE*35	NNW 41	NW 32	W *48
68	NW 39	WNW 40	NW 48	NW 37	W 31	NW 26	27/*28	21/*51	28/ 24	29/*25	05/ 46	25/ 55	25/*55
69	29/ 35	33/ 45	04/ 36	22/*30	25/*23	28/ 27	29/ 31	34/ 21	33/ 25	28/ 31	28/ 33	29/ 40	33/*45
70	28/ 29	30/ 36	18/ 38	27/ 56	31/ 28	26/ 42	25/ 21	33/ 28	29/ 33	35/ 30	32/ 31	30/ 43	27/ 56
71	26/ 43	19/ 36	27/ 46	02/ 39	31/ 35	26/ 29	32/ 23	30/ 39	35/ 23	06/ 26	02/ 42	30/ 30	27/ 46
72	27/ 46	07/ 40	21/ 34	26/ 25	29/ 26	27/ 28	32/ 25	14/ 24	35/ 27	01/ 28	14/ 28	29/ 35	27/ 46
73	31/ 32	19/ 33	26/ 36	29/ 30	28/ 29	30/ 28	32/ 32	32/ 51	24/ 40	12/ 28	27/ 47	31/ 34	32/ 51
74	33/ 38	21/ 43	35/ 41	28/ 36	27/ 46	07/ 32	33/ 68	08/ 41	33/ 66	32/ 25	30/ 38	05/ 53	33/ 68
75	25/ 43	25/ 37	32/ 40	27/ 53	05/ 27	31/ 27	27/ 44	33/ 22	31/ 26	28/ 26	24/ 28	32/ 34	27/ 53

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
76	27/ 43	31/ 51	30/ 50	29/ 33	34/ 52	20/ 31	30/ 27	34/ 46	24/ 24	18/ 76	31/ 31	28/ 44	18/ 76
77	29/ 47	28/ 53	29/ 51	26/ 44	33/ 34	30/ 35	28/ 24	34/ 33	25/ 27	02/ 32	29/ 39	30/ 42	28/ 53
78	26/ 44	33/ 35	29/ 34	07/ 33	31/ 33	26/ 39	08/ 27	36/ 42	34/ 32	33/ 27	29/ 26	30/ 42	26/ 44
79	33/ 43	32/ 46	31/ 32	30/ 41	23/ 27	27/ 34	32/ 27	27/ 31	18/ 48	24/ 32	29/ 46	33/ 42	18/ 48
80	21/ 36	33/ 36	29/ 41	28/ 36	27/ 42	22/ 36	30/ 48	24/ 36	31/ 33	09/ 48	33/ 41	30/ 56	30/ 56
81	29/ 38	21/ 47	32/ 38	32/ 36	19/ 25	32/ 49	32/ 26	07/ 31	33/ 32	29/ 37	30/ 34	28/ 43	32/ 49
82	28/ 40	30/ 40	28/ 33	29/ 46	09/ 30	31/ 31	29/ 38	32/ 30	16/ 33	03/ 30	33/ 33	35/ 33	29/ 46
83	31/ 36	05/ 37	17/ 42	17/ 34	24/ 36	25/ 22	26/ 29	31/ 48	23/ 25	10/ 30	24/ 39	30/ 43	31/ 48
84	31/ 30	09/ 36	07/ 47	16/ 32	31/ 62	33/ 30	25/ 30	28/ 23	28/ 29	28/ 30	34/ 30	31/ 28	31/ 62
85	29/ 34	30/ 41	29/ 45	31/ 34	33/ 33	32/ 30	26/ 48	22/ 21	29/ 62	29/ 42	09/ 30	31/ 49	29/ 62
86	28/ 32	34/ 33	29/ 42	10/ 38	29/ 30	33/ 33	25/ 22	30/ 31	35/ 30	32/ 33	29/ 36	34/ 40	29/ 42
87	31/ 38	30/ 35	18/ 47	24/ 33	28/ 45	28/ 43	28/ 40	35/ 30	35/ 31	30/ 35	33/ 46	35/ 43	18/ 47
88	27/ 41	28/ 40	33/ 37	08/ 39	27/ 32	35/ 39	36/ 28	35/ 46	19/ 27	27/ 31	29/ 51	28/ 47	29/ 51
89	32/ 36	19/ 41	20/ 40	22/ 38	19/ 32	30/ 45	25/ 26	23/ 23	20/ 33	06/ 30	26/ 54	33/ 37	26/ 54
90	28/ 38	31/ 45	24/ 40	21/ 33	26/ 38	33/ 52	25/ 38	06/ 33	34/ 24	31/ 33	30/ 46	29/ 44	33/ 52
91	32/ 42	27/ 34											32/*42
GREATEST	SW 49	28/ 53	SSE 54	27/ 56	31/ 62	W 71	33/ 68	SSW 70	33/ 66	18/ 76	ESE 73	30/ 56	18/ 76
TOTAL OBS	1347	1216	1275	1189	1211	1175	1202	1214	1164	1166	1263	1316	14738

THE PEAK WIND OF 76 FROM 18/ OCCURRED ON 10/09/76

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	1.1	4.4	17.5	24.6	20.9	15.7	8.7	4.5	2.7	.0	.0	21.0	20.0	1347
FEB	.2	3.1	16.4	23.0	22.0	15.7	10.9	5.4	2.9	.2	.0	22.0	21.0	1216
MAR	.0	1.6	12.9	24.1	23.7	17.5	11.1	5.6	3.1	.3	.0	22.9	22.0	1275
APR	.0	.6	11.2	26.2	27.2	20.4	9.3	3.1	1.6	.3	.0	22.3	22.0	1189
MAY	.0	2.2	20.1	32.8	26.4	12.4	4.4	1.0	.6	.2	.0	19.3	19.0	1211
JUN	.0	3.6	28.2	37.1	20.0	6.3	3.1	1.1	.4	.1	.1	17.7	17.0	1175
JUL	.1	4.7	37.3	34.5	15.6	4.8	1.5	.6	.8	.1	.1	16.4	15.0	1202
AUG	.0	7.3	40.9	32.6	12.9	3.2	1.7	.5	.6	.2	.1	15.7	15.0	1214
SEP	.1	8.1	36.8	30.8	16.8	4.3	2.0	.6	.3	.2	.1	16.2	15.0	1164
OCT	.3	6.8	29.8	28.2	20.5	8.8	4.2	1.1	.3	.0	.1	17.6	17.0	1166
NOV	.4	6.1	22.2	25.4	20.0	15.3	6.3	2.1	2.0	.2	.1	19.7	18.0	1263
DEC	.3	5.3	21.0	22.3	22.7	13.6	9.0	3.1	2.4	.3	.0	20.6	20.0	1316
ANNUAL	.2	4.5	24.3	28.3	20.8	11.6	6.1	2.4	1.5	.2	.0	19.3	18.0	14738

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.1	4.4	1.5	.1								10.1	6.2	6.0
020-040	1.8	1.7	.2	.3								4.1	6.3	6.5
050-070	1.3	1.0	.6									2.9	6.2	6.0
(E) 080-100	1.0	1.0	.5	.1								2.6	6.5	5.0
110-130	.5	1.1	.3									1.9	6.4	6.5
140-160	1.3	.1										1.4	2.6	2.0
(S) 170-190	2.2	.4		.1								2.7	4.0	4.0
200-220	2.7	3.3	1.0	.1								7.1	6.0	6.0
230-250	3.7	3.0	1.0	.3								8.0	5.7	5.0
(W) 260-280	3.4	3.9	4.4	.6	.1							12.5	8.1	8.0
290-310	2.2	5.9	4.6	1.2	.1	.1						14.1	8.7	8.0
320-340	3.5	3.7	3.1	.9								11.2	7.8	7.0
VARIABLE														
CALM	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.9	5.7	1.2	.4								11.2	6.1	6.0
020-040	1.9	1.1	.6	.5	.1							4.3	7.2	6.0
050-070	1.2	.8	.8									2.7	5.9	6.0
(E) 080-100	1.8	.9	.8									3.4	5.6	4.0
110-130	.3	.8	.4									1.5	7.4	7.5
140-160	.6	.9										1.5	5.0	6.0
(S) 170-190	1.7	.4										2.2	3.2	3.0
200-220	3.3	2.0	.2	.1								5.7	4.8	4.0
230-250	3.1	4.5	1.7									9.4	6.2	6.0
(W) 260-280	3.4	4.0	2.8	1.1	.6	.1						12.0	8.5	8.0
290-310	1.3	6.3	3.4	.8	.6							12.5	9.3	9.0
320-340	1.9	5.2	3.1	.4								10.6	8.0	8.0
VARIABLE														
CALM	//											23.0	//////////	
TOTALS	24.4	32.6	15.0	3.3	1.3	.1						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	4.9	1.7		.1							9.9	6.4	6.0
020-040	2.8	1.6	.8	.4								5.6	5.9	4.5
050-070	1.1	1.0	1.0									3.0	7.1	7.5
(E) 080-100	1.7	1.2	.9									3.8	5.7	5.0
110-130	.5	.3	.4	.1								1.4	7.1	6.0
140-160	1.2	1.0	.3									2.5	5.0	5.0
(S) 170-190	1.7	1.4	.1									3.2	4.5	4.0
200-220	3.5	1.6	.5									5.7	4.6	4.0
230-250	4.3	3.1	1.1	.2								8.7	5.6	5.0
(W) 260-280	3.5	4.2	3.1	1.6	.2							12.7	8.3	7.5
290-310	2.9	5.1	4.1	1.2	.3	.1						13.7	9.0	9.0
320-340	2.5	4.0	3.2	1.0	.2							10.9	8.5	8.0
VARIABLE														
CALM	//											19.0	//////////	
TOTALS	28.8	29.4	17.2	4.5	.8	.1						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.6	4.9	4.1	.4								11.1	8.3	8.0
020-040	1.9	2.5	1.5	.2								6.1	7.1	7.0
050-070	.6	2.2	.8									3.5	7.1	7.0
(E) 080-100	1.3	1.3	.8	.3								3.7	7.6	7.5
110-130	1.2	.9	.5									2.6	5.6	5.0
140-160	.4	.4	.3									1.2	7.1	5.0
(S) 170-190	.9	1.7	.6									3.2	6.9	6.0
200-220	1.9	3.1	1.8	.1								7.0	7.1	6.0
230-250	2.6	5.1	2.3	.5	.1							10.5	7.5	7.0
(W) 260-280	2.8	4.2	3.7	2.3	.6	.1						13.7	9.8	9.0
290-310	1.3	4.8	4.8	3.2	.8	.1						15.1	11.0	10.0
320-340	1.5	4.2	6.0	1.0	.5							13.2	9.7	10.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	4.8	2.7	.5								10.3	7.8	8.0
020-040	1.1	1.3	1.8	.2								4.4	8.5	8.0
050-070	.6	1.1	1.3	.1								3.1	8.4	9.0
(E) 080-100	1.1	1.0	1.1	.2								3.3	7.6	8.0
110-130	.3	.8	.4	.1								1.6	7.6	8.0
140-160	1.0	.2	.1									1.3	4.7	4.0
(S) 170-190	.3	1.2	1.0	.4	.2							3.1	9.8	10.0
200-220	.5	2.6	2.3	.1	.2							5.7	9.2	9.0
230-250	1.6	4.7	4.3	.4	.4							11.5	9.0	8.0
(W) 260-280	2.7	4.2	4.6	3.4	.6							15.6	10.3	10.0
290-310	2.0	5.3	7.4	4.9	1.5	.1						21.3	11.6	11.5
320-340	2.2	4.4	6.3	1.6	.3	.1						14.9	10.0	10.0
VARIABLE														
CALM	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	3.8	1.1	.2								8.8	6.2	5.0
020-040	1.1	2.3	1.3	.1								4.7	7.7	7.0
050-070	1.2	1.3	.9	.2								3.5	7.5	7.0
(E) 080-100	.6	1.3	1.4	.1								3.4	8.6	9.0
110-130	.9	.3	.1	.1								1.4	5.2	4.0
140-160	1.1	.8	.1									1.9	4.7	4.0
(S) 170-190	.8	1.7	.9	.1								3.4	7.1	6.5
200-220	1.8	3.7	1.5	.2	.1							7.3	7.4	7.0
230-250	2.7	4.6	2.7	.4								10.4	7.3	7.0
(W) 260-280	2.9	4.5	2.8	1.9	.6							12.8	9.3	8.0
290-310	3.1	5.7	6.3	4.6	1.8							21.6	11.0	10.0
320-340	3.2	5.6	4.6	1.4	.4							15.3	8.8	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.3	//////////	
TOTALS	23.2	35.6	23.7	9.3	2.9							100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	3.1	1.2	.3	.1							7.1	6.9	6.0
020-040	1.6	1.9	1.3									4.8	7.0	6.0
050-070	1.4	1.5	1.2	.1								4.2	6.7	6.0
(E) 080-100	1.5	.5	.8	.1								2.9	6.3	4.0
110-130	1.2	.3	.2	.1								1.8	5.2	3.0
140-160	2.7	.5	.3									3.5	4.0	3.0
(S) 170-190	2.3	1.6	.3	.1								4.3	5.2	4.0
200-220	3.0	4.5	.3	.1								8.0	5.5	5.0
230-250	3.2	3.8	1.1	.3	.1							8.5	6.2	5.0
(W) 260-280	5.4	4.2	3.2	1.5	.2		.1					14.6	7.8	6.0
290-310	4.6	4.8	3.8	1.8	.9							15.9	8.8	8.0
320-340	3.3	3.8	2.4	.5	.1							10.1	7.1	6.0
VARIABLE														
CALM	//											14.2	////////////	
TOTALS	32.6	30.5	16.1	4.9	1.4		.1					100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	4.1	1.9	.3								8.7	7.1	6.0
020-040	1.5	2.3	.9	.2	.1							4.9	7.2	6.0
050-070	.9	1.6	.5									3.0	6.2	6.0
(E) 080-100	1.1	.4	.2	.3								2.0	6.6	4.0
110-130	.8	.5	.1									1.4	5.1	4.0
140-160	1.6	.5		.2								2.4	4.5	3.0
(S) 170-190	3.2	1.4	.4	.1								5.2	4.9	4.0
200-220	2.5	3.3	1.1		.1							7.0	6.0	5.0
230-250	4.3	2.4	1.0	.1								7.7	5.3	4.0
(W) 260-280	4.0	3.8	3.8	1.5			.1					13.1	8.4	7.0
290-310	2.5	3.7	4.5	1.5	.6	.1						12.9	9.8	10.0
320-340	3.1	5.2	3.9	.4								12.6	7.7	7.0
VARIABLE														
CALM	//											19.0	//////////	
TOTALS	27.9	29.2	18.3	4.6	.8	.1	.1					100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	4.5	1.9	.3	.0							9.7	6.9	6.0
020-040	1.7	1.8	1.0	.3	.0							4.9	7.1	6.0
050-070	1.0	1.3	.9	.1								3.3	6.9	6.0
(E) 080-100	1.3	.9	.8	.1								3.1	6.8	6.0
110-130	.7	.6	.3	.1								1.7	6.2	5.0
140-160	1.2	.6	.1	.0								2.0	4.6	4.0
(S) 170-190	1.6	1.2	.4	.1	.0							3.4	5.7	5.0
200-220	2.4	3.0	1.1	.1	.1							6.7	6.3	6.0
230-250	3.2	3.9	1.9	.3	.1							9.3	6.8	6.0
(W) 260-280	3.5	4.1	3.5	1.7	.4	.0	.0					13.4	8.8	8.0
290-310	2.5	5.2	4.9	2.4	.8	.1						15.9	10.1	10.0
320-340	2.7	4.5	4.1	.9	.2	.0						12.4	8.6	8.0
VARIABLE														
CALM	//											14.4	//////////	
TOTALS	24.7	31.6	20.9	6.4	1.6	.1						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.8	8.8	3.7	.4								15.7	7.5	7.0
020-040	3.1	5.3	3.3	1.2	.2							13.1	8.3	8.0
050-070	1.5	4.4	3.5	.1								9.5	8.1	8.0
(E) 080-100	2.6	2.8	3.4	.5								9.3	8.0	8.0
110-130	1.8	2.8	1.4	.2								6.3	6.9	6.5
140-160	1.2	1.6	1.1	.2								4.1	7.8	8.0
(S) 170-190	1.1	2.2	1.5	.5	.2							5.5	8.7	7.0
200-220	.9	2.0	.9	.4	.3							4.4	9.2	8.0
230-250	1.3	2.9	2.2	1.0	.1							7.5	8.9	8.0
(W) 260-280	1.1	1.5	1.4	.7	.2							4.9	9.1	9.0
290-310	1.2	3.0	1.3	.4	.1							6.1	8.0	8.0
320-340	2.2	3.6	1.6	.1								7.5	6.8	6.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	5.2	2.4	.9								12.1	7.3	6.0
020-040	2.5	1.7	.6	.2								5.0	5.9	4.5
050-070	2.4	1.3	2.5	.5								6.6	7.5	8.0
(E) 080-100	.8	2.2	.7	.2								4.0	7.2	6.5
110-130	.5	.5										.9	4.6	4.5
140-160	1.2	.5	.1									1.8	4.4	4.0
(S) 170-190	1.2	2.1	.8	.1								4.3	6.9	6.5
200-220	2.6	2.7	1.9	.4								7.6	7.0	6.0
230-250	4.3	3.0	.5	.2								7.9	5.1	4.0
(W) 260-280	2.6	1.7	.8	.2	.2							5.6	6.4	5.0
290-310	2.5	3.8	2.7	1.8	.1							10.9	8.8	8.0
320-340	2.2	4.5	3.8	1.1	.5							12.1	8.9	8.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.7	4.5	2.6	.4	.1							13.2	6.4	6.0
020-040	1.4	2.5	.8	.4	.1							5.2	7.3	6.0
050-070	1.9	1.4	1.4	.5								5.2	7.5	6.0
(E) 080-100	1.5	1.7	1.3	.1								4.6	7.2	7.0
110-130	.8	.8	.4									2.0	5.5	6.0
140-160	.7	.1	.2									1.1	4.8	3.0
(S) 170-190	1.5	.9	.5									3.0	5.1	4.0
200-220	2.2	1.9	1.5	.7								6.4	7.5	6.0
230-250	3.2	2.4	.8	.4	.1							6.9	6.0	5.0
(W) 260-280	3.3	3.5	.4	.8	.4							8.4	7.0	6.0
290-310	2.6	4.5	2.8	1.7	.2	.1						11.9	9.0	8.0
320-340	4.1	4.0	3.9	.4	.2							12.6	7.4	7.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	4.7	4.3	.5								14.2	7.1	7.0
020-040	2.6	2.5	.5	.5	.1							6.1	6.5	5.0
050-070	1.9	2.8	1.2	.6	.1							6.6	7.6	6.0
(E) 080-100	1.4	2.1	.6	.2								4.4	6.6	5.0
110-130	1.3	.2	.1									1.7	4.2	4.0
140-160	1.2	.7										1.9	3.8	3.0
(S) 170-190	1.3	.7	.2									2.2	4.9	4.0
200-220	2.7	2.7	1.7	.8								7.9	7.2	6.0
230-250	3.9	3.2	.6	.4								8.0	5.7	5.0
(W) 260-280	2.6	2.0	1.2	.6	.4							6.7	7.6	6.0
290-310	1.7	6.7	3.0	.9	.4	.2		.1				13.0	9.3	8.0
320-340	3.0	4.3	2.8	.9	.1							11.1	8.1	8.0
VARIABLE														
CALM	//											16.1	//////////	
TOTALS	28.3	32.6	16.2	5.4	1.1	.2		.1				100.0	6.1	6.0

TOTAL NUMBEF OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	4.6	7.2	1.1	.4							15.6	9.6	10.0
020-040	2.2	4.1	1.9	.2								8.5	6.7	6.0
050-070	2.0	2.4	1.3	1.3								7.0	8.2	7.0
(E) 080-100	1.5	2.1	.8	.1	.1							4.7	6.6	5.5
110-130	1.5	1.1	.6	.2								3.4	6.0	5.0
140-160	.8	.9	.1									1.9	5.4	5.5
(S) 170-190	.7	1.1	1.1	.2								3.1	8.1	8.0
200-220	.4	1.7	2.1	.9		.1						5.2	10.8	10.0
230-250	1.3	5.2	3.0	.8								10.3	8.3	8.0
(W) 260-280	1.2	2.8	3.4	.6	.4	.4						8.7	10.2	10.0
290-310	2.4	5.4	5.1	2.1	.7	.2						16.0	10.1	10.0
320-340	1.4	3.2	6.4	.8	.2							12.1	9.9	10.0
VARIABLE														
CALM	//											3.5	//////////	
TOTALS	17.8	34.6	33.0	8.3	1.8	.7						100.0	8.6	9.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	5.8	2.7	.1	.4							11.3	7.6	7.0
020-040	1.9	4.0	1.4	.5	.1							7.9	7.3	6.0
050-070	.8	2.4	1.3	.8	.1							5.4	9.0	8.0
(E) 080-100	.4	1.9	1.2		.2							3.7	8.9	8.0
110-130	.9	.9	.9									2.8	7.1	8.0
140-160	.6	.9	.5	.1								2.1	7.4	7.0
(S) 170-190	.6	.9	.7	.7								3.0	9.5	9.0
200-220	.5	1.9	1.1	.7	.5							4.6	10.7	9.0
230-250	.5	3.1	4.1	.5								8.2	9.9	10.0
(W) 260-280	1.3	4.4	3.7	1.5		.4						11.2	10.1	9.0
290-310	1.9	5.8	7.6	2.6	1.3	.5						19.6	11.2	10.0
320-340	1.9	5.4	7.1	2.6	.4							17.4	10.1	10.0
VARIABLE														
CALM	//											2.7	//////////	
TOTALS	13.7	37.4	32.3	10.1	3.0	.9						100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	4.1	2.5	.2	.2							9.8	7.5	7.0
020-040	1.5	3.7	.8	.5								6.5	6.8	6.0
050-070	1.3	2.5	.8	.2	.2	.1						5.2	8.0	6.0
(E) 080-100	.7	2.4	1.9	.1								5.1	8.2	8.0
110-130	.8	1.2	.6									2.6	6.5	6.5
140-160	.2	2.0	.4									2.6	7.1	7.0
(S) 170-190	.5	1.4	.9									2.8	7.7	8.0
200-220	.4	2.8	1.7	.4	.1							5.3	9.2	9.0
230-250	.9	4.3	2.6	.2								8.0	8.2	8.0
(W) 260-280	1.9	4.0	3.1	1.2	.1	.2						10.5	9.4	9.0
290-310	3.2	6.1	9.7	1.7	.9	.5						22.1	10.4	10.0
320-340	2.4	5.7	6.1	1.3	.5							16.0	9.3	9.0
VARIABLE														
CALM	//											3.4	//////////	
TOTALS	16.5	40.2	31.1	5.8	2.0	.8						100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.0	3.4	1.8	.4								8.5	6.8	6.0
020-040	.9	1.9	.7	.2	.1							3.9	7.5	7.0
050-070	.8	3.1	.8	.1								4.9	7.0	7.0
(E) 080-100	1.9	2.3	.9	.1								5.2	6.8	6.0
110-130	2.7	.7										3.4	3.6	4.0
140-160	2.8	1.1	.2	.1								4.3	4.1	3.0
(S) 170-190	2.4	3.2	.6	.2								6.4	6.2	5.0
200-220	2.3	3.6	1.1	.5								7.3	6.8	6.0
230-250	5.6	3.7	.2	.2								9.7	4.8	4.0
(W) 260-280	3.3	3.8	1.1	.1	.1							8.4	6.1	6.0
290-310	3.4	7.2	3.3	1.4	.9							16.4	8.6	8.0
320-340	3.2	5.6	2.7	1.3	.2							13.0	8.0	7.0
VARIABLE														
CALM	//											8.5	////////////	
TOTALS	32.3	39.6	13.4	4.6	1.3							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 844

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	4.2	2.1	.6	.1							10.3	7.5	6.0
020-040	1.3	1.8	.8	.4	.1							4.4	7.7	6.0
050-070	1.1	1.4	1.9	.1								4.5	7.9	8.5
(E) 080-100	1.4	2.4	.6	.4								4.7	6.7	6.0
110-130	1.2	.6	.2									2.0	4.5	4.0
140-160	2.6	.2	.1	.1								3.1	3.2	2.0
(S) 170-190	2.1	1.9	.8		.1							5.0	5.9	5.0
200-220	4.5	3.9	.5	.9								9.8	5.9	5.0
230-250	4.3	4.2	.5									8.9	5.0	5.0
(W) 260-280	2.7	2.6	.2	.5	.1	.1						6.3	6.5	5.0
290-310	3.0	3.7	3.1	1.5	.5							11.7	9.0	8.0
320-340	2.8	5.2	2.7	1.1	.1							12.0	8.0	8.0
VARIABLE														
CALM	//////////											17.2	//////////	
TOTALS	30.3	32.1	13.5	5.6	1.0	.1						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	4.6	3.2	.5	.1							11.9	7.6	7.0
020-040	1.8	2.8	.9	.4	.1							5.9	6.9	6.0
050-070	1.5	2.2	1.4	.5	.1	.0						5.7	7.9	7.0
(E) 080-100	1.2	2.1	1.0	.2	.0							4.6	7.2	6.0
110-130	1.2	.8	.4	.0								2.4	5.3	4.0
140-160	1.3	.8	.2	.0								2.3	4.9	4.0
(S) 170-190	1.3	1.5	.7	.2	.0							3.7	6.7	6.0
200-220	1.9	2.6	1.4	.7	.1	.0						6.8	7.8	7.0
230-250	3.0	3.6	1.5	.3	.0							8.5	6.6	6.0
(W) 260-280	2.4	3.1	1.7	.7	.2	.1						8.2	8.2	7.0
290-310	2.6	5.4	4.7	1.7	.6	.2		.0				15.2	9.7	9.0
320-340	2.6	4.7	4.5	1.2	.3							13.3	8.8	8.0
VARIABLE														
CALM	//											11.5	//////////	
TOTALS	24.3	34.2	21.6	6.4	1.5	.3						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 6763

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS													
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.4	8.2	2.8	.6	.2							16.2	7.0	6.0
020-040	3.4	7.6	1.8	.7	.1							13.6	7.0	6.0
050-070	3.2	7.1	4.7	2.0	.1							17.0	8.5	8.0
(E) 080-100	1.8	6.0	2.9	.5	.3							11.5	8.1	8.0
110-130	2.0	1.1	1.0	.2								4.4	6.4	5.5
140-160	1.7	1.0	.4	.2								3.3	5.9	4.5
(S) 170-190	1.4	.9	.9	.3	.1							3.6	7.9	6.0
200-220	1.1	2.4	1.7	.7								5.9	8.4	8.0
230-250	1.4	2.2	.4	.2								4.2	6.4	6.5
(W) 260-280	.8	2.4	.6	.1	.2							4.2	7.4	6.5
290-310	1.1	.9	.5		.3							2.9	7.4	6.5
320-340	2.1	2.8	.4	.1								5.4	5.4	5.5
VARIABLE														
CALM	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.4	4.6	2.5	.4								12.9	6.4	6.0
020-040	1.6	1.5	1.3	.2								4.6	7.1	7.0
050-070	2.0	3.1	.5	.3	.2	.1						6.3	7.1	6.0
(E) 080-100	1.1	.8	.6	.2								2.7	6.6	6.0
110-130	.5	.2	.4	.1								1.3	7.3	8.0
140-160	1.3	.5	.1	.1								2.0	4.5	4.0
(S) 170-190	1.8	2.2	.6	.1								4.7	6.0	6.0
200-220	4.1	3.5	1.6	.8								10.0	6.5	6.0
230-250	4.0	2.2	.1	.2	.1							6.6	5.0	4.0
(W) 260-280	2.4	1.6	.5	.2								4.7	5.8	4.5
290-310	1.9	5.3	3.5	1.5	.4							12.7	9.2	8.0
320-340	2.9	4.9	2.0	1.0	.2							11.1	7.9	7.0
VARIABLE														
CALM	//											20.3	////////////	
TOTALS	29.0	30.4	13.7	5.1	.9	.1						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	3.8	2.4	.4								11.1	6.7	6.0
020-040	1.7	2.8	1.1	.5	.1							6.2	7.2	6.0
050-070	2.3	3.3	1.3	.2		.2	.1					7.4	7.5	6.0
(E) 080-100	1.4	1.0	.6									3.0	6.0	5.5
110-130	.9	.5	.5									1.9	6.3	6.5
140-160	1.2	.3										1.5	2.9	2.0
(S) 170-190	1.9	.9	.9	.1								3.8	5.9	4.0
200-220	3.0	2.6	1.7	.5	.2							8.1	7.3	6.0
230-250	2.4	2.4	1.1	.1								5.9	6.0	5.0
(W) 260-280	1.8	2.5	1.2	.1	.1							5.7	6.7	6.0
290-310	2.7	4.6	3.2	1.1	.4							12.0	8.6	7.5
320-340	3.5	4.7	4.1	.4								12.8	7.6	8.0
VARIABLE														
CALM	//											20.5	//////////	
TOTALS	27.3	29.4	18.1	3.4	.8	.2	.1					100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.0	4.1	3.1	.1								10.3	7.2	7.0
020-040	2.2	3.2	2.2	.4	.2							8.2	7.9	7.0
050-070	2.0	2.6	1.3	.6	.1	.1						6.8	8.1	7.0
(E) 080-100	1.1	2.0	1.5	.4	.1							5.2	8.0	7.0
110-130	1.1	.5	.2									1.8	4.7	2.0
140-160	1.1	.6	.1									1.8	4.4	3.0
(S) 170-190	1.7	.6	.9	.2								3.4	6.7	4.5
200-220	1.4	3.4	1.0	.8								6.6	7.7	6.0
230-250	2.0	2.7	.9	.1								5.7	6.3	6.0
(W) 260-280	2.3	2.6	1.5	.2	.1							6.7	7.1	6.0
290-310	2.9	6.3	3.9	1.0	.6							14.7	8.7	8.0
320-340	2.4	5.7	2.7	.9	.1							11.7	8.0	8.0
VARIABLE														
CALM	//											17.1	////////////	
TOTALS	23.2	34.3	19.3	4.7	1.2	.1						100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.8	5.8	4.3	1.3								14.2	8.6	8.0
020-040	1.5	2.3	2.5	.9	.2							7.3	9.1	9.0
050-070	1.4	2.9	2.5	.8	.2							7.7	9.2	8.0
(E) 080-100	.6	1.9	3.5	.6								6.8	9.9	10.0
110-130	1.1	2.0										3.1	5.1	5.0
140-160	1.3	1.2	.4									2.9	6.1	5.0
(S) 170-190	.4	.9	1.3	.2	.2							3.0	10.0	10.0
200-220	1.2	1.5	1.2	.9	.1							4.8	9.3	9.0
230-250	1.0	3.2	3.0	2.2	.6							10.0	11.0	11.0
(W) 260-280	.8	2.2	2.4	1.6	.2							7.1	10.7	11.5
290-310	1.7	3.1	5.4	2.2	1.1	.1	.1					13.7	11.3	11.0
320-340	2.3	5.7	6.0	1.4	.4							15.8	9.5	9.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.5	//////////	
TOTALS	16.1	32.7	32.5	12.1	3.0	.1	.1					100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.5	4.3	2.9	.9	.3							9.9	8.9	8.0
020-040	.9	2.3	2.6	.5	.1							6.3	9.3	10.0
050-070	.5	2.0	1.3	.8	.4							5.1	10.3	9.0
(E) 080-100	1.4	2.6	2.6	.6	.2							7.4	8.7	9.0
110-130	.6	2.3	1.0									3.9	7.4	8.0
140-160	1.2	.6	.4									2.3	5.6	4.0
(S) 170-190	1.1	1.1	1.3	.3			.1					3.9	8.7	8.0
200-220	.4	1.5	2.2	.5	.5							5.2	11.3	11.0
230-250	.8	2.5	4.1	1.4	.6							9.4	11.0	11.0
(W) 260-280	1.2	3.2	2.4	2.4	.5							9.7	10.8	10.0
290-310	1.7	4.4	7.7	3.5	1.8	.1	.2					19.6	12.0	12.0
320-340	2.0	4.1	7.1	1.8	.5							15.6	10.2	10.0
VARIABLE														
CALM	//											1.9	//////////	
TOTALS	13.3	30.9	35.6	12.7	4.9	.1	.3					100 0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	4.3	2.5	1.6	.2							10.3	8.9	8.0
020-040	1.2	1.9	1.9	.4	.1							5.6	8.7	8.0
050-070	.3	2.2	1.6	1.0	.3	.1						5.5	11.0	10.0
(E) 080-100	.9	2.4	1.7	.2								5.2	8.2	8.0
110-130	.6	3.4	1.0	.2								5.3	7.5	8.0
140-160	.6	2.7	.8									4.1	7.2	6.5
(S) 170-190	.2	3.3	1.3									4.8	8.1	8.0
200-220	.4	1.5	2.4	1.0	.3							5.6	11.2	10.0
230-250	.6	4.1	3.4	1.1	.4	.1						9.8	10.1	10.0
(W) 260-280	.8	3.9	2.9	1.5	.4							9.5	10.5	10.0
290-310	.9	4.4	6.9	3.4	1.4	.4						17.4	12.1	12.0
320-340	1.0	4.9	6.9	1.7	.3							14.8	10.5	10.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.2	//////////	
TOTALS	9.2	39.0	33.3	12.1	3.4	.6						100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	2.3	2.5	.5	.1	.1						8.1	8.1	8.0
020-040	.5	1.6	1.7	.5								4.4	9.2	10.0
050-070	.9	2.0	2.3	.3	.1							5.6	9.3	9.0
(E) 080-100	1.5	2.8	.9	.1	.1							5.4	6.7	6.0
110-130	2.6	2.6	.4	.2								5.8	5.8	5.0
140-160	2.8	1.9	.2	.1								5.1	4.8	4.0
(S) 170-190	2.9	6.3	.8	.1								10.1	6.4	6.0
200-220	2.2	3.2	1.7	.2								7.3	6.9	6.0
230-250	2.4	3.2	.4	.2		.1						6.3	6.4	6.0
(W) 260-280	3.0	3.2	.8	.3	.1	.1						7.5	6.3	5.0
290-310	2.6	5.9	4.3	1.4	.3	.2						14.7	9.1	8.0
320-340	2.8	5.4	3.4	1.2								12.8	8.2	8.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	4.8	3.0	1.1	.1							12.4	7.9	8.0
020-040	1.4	1.4	1.9	.2								4.9	8.1	8.5
050-070	1.4	2.5	1.3	.1	.3							5.6	7.7	6.5
(E) 080-100	1.8	1.2	1.1									4.1	5.6	5.0
110-130	1.4	.8	.1	.1								2.4	5.0	4.0
140-160	1.6	.3	.2									2.2	4.1	3.0
(S) 170-190	3.1	3.8	1.3	.2								8.4	6.2	5.5
200-220	5.6	4.0	1.3	.4								11.3	5.7	5.0
230-250	1.7	2.6	.8	.2								5.3	6.5	6.0
(W) 260-280	2.3	2.3	1.7	.1	.2							6.6	7.3	6.0
290-310	1.6	4.1	2.4	.5	.6	.2						9.5	9.4	8.5
320-340	3.0	4.5	2.5	1.0	.2							11.2	7.9	7.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	16.3	////	////
TOTALS	28.2	32.3	17.6	3.9	1.4	.2						100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.1	4.2	2.9	.8	.1	.0						11.1	7.8	8.0
020-040	1.4	2.1	1.9	.5	.1							6.0	8.3	8.0
050-070	1.4	2.6	1.5	.5	.2	.1	.0					6.2	8.7	8.0
(E) 080-100	1.2	1.8	1.6	.3	.1							5.0	7.8	8.0
110-130	1.1	1.5	.5	.1								3.2	6.3	6.0
140-160	1.4	1.0	.3	.0								2.7	5.2	4.0
(S) 170-190	1.7	2.4	1.0	.2	.0		.0					5.3	7.0	6.5
200-220	2.3	2.7	1.6	.6	.1							7.4	7.7	7.0
230-250	1.9	2.8	1.7	.7	.2	.0						7.4	8.3	8.0
(W) 260-280	1.8	2.7	1.7	.8	.2	.0						7.2	8.5	8.0
290-310	2.0	4.8	4.7	1.8	.8	.1	.0					14.3	10.3	10.0
320-340	2.5	5.0	4.3	1.2	.2							13.2	8.8	8.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.8	3.9	2.9	1.2								9.8	8.7	8.0
020-040	.9	6.0	3.3	1.0	.3							11.5	9.2	8.0
050-070	1.5	10.3	8.7	3.1	1.8	.5	.1					26.0	11.0	10.0
(E) 080-100	1.9	2.7	6.9	2.2	.4							14.1	10.6	10.0
110-130	1.0	1.9	2.2	.7								5.7	9.3	9.5
140-160	1.0	1.1	.7	.2								3.0	7.3	7.0
(S) 170-190	1.0	1.8	1.6	.5	.2		.1					5.3	9.6	8.0
200-220	.4	1.5	2.0	.1	.1							4.2	9.1	10.0
230-250	.8	2.7	.9	.2								4.6	7.6	7.5
(W) 260-280	1.2	1.2	.3									2.7	5.4	5.0
290-310	.1	.7	.1	.1	.2							1.2	9.9	7.0
320-340	.9	1.5	1.4	1.3								5.2	10.4	10.0
VARIABLE														
CALM	////////	////	////	////	////	////	////	////	////	////	////	6.8	////////////	
TOTALS	12.5	35.3	31.0	10.6	3.0	.5	.2					100.0	9.0	9.0

TOTAL NUMBER OF OBSERVATIONS 912

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	3.9	1.8	.3								8.6	7.1	6.0
020-040	.9	1.6	.6	.1								3.1	7.3	6.5
050-070	2.9	2.9	1.0	.2								7.0	5.9	5.0
(E) 080-100	2.0	2.2	1.0	.2	.1							5.6	7.0	6.0
110-130	1.1	1.6	.4									3.1	5.8	6.0
140-160	1.2	.3	.7									2.2	5.8	4.0
(S) 170-190	2.3	2.1	.6									5.0	5.0	5.0
200-220	4.4	3.7	.7	.1	.2							9.1	5.5	5.0
230-250	3.0	2.8	.2									6.0	4.8	4.5
(W) 260-280	2.8	3.2	1.3	.1	.3							7.8	7.1	7.0
290-310	3.3	3.7	2.4	.2	.4							10.1	7.6	6.0
320-340	2.2	3.9	1.9	.7								8.7	7.5	7.0
VARIABLE														
CALM	//											23.8	//////////	
TOTALS	28.7	31.9	12.6	1.9	1.0							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	4.0	1.4	.1								7.2	7.0	7.0
020-040	1.0	1.3	.8									3.1	6.3	6.0
050-070	3.1	2.7	1.7	.1								7.6	5.9	5.0
(E) 080-100	2.2	3.2	1.1	.3								6.9	6.6	6.0
110-130	1.1	.2	.2	.2								1.8	5.9	4.0
140-160	.7	.4	.3									1.4	5.8	5.0
(S) 170-190	1.3	.9	.6									2.8	5.2	5.0
200-220	4.7	2.4	1.2	.1	.1							8.6	5.5	4.0
230-250	3.0	1.9	.1									5.0	4.4	4.0
(W) 260-280	3.2	4.0	1.0	.1								8.3	5.7	5.0
290-310	2.9	4.2	2.4	.9	.1							10.6	7.8	7.0
320-340	2.4	3.8	1.7	.2								8.1	6.9	6.0
VARIABLE														
CALM	//											28.7	//////////	
TOTALS	27.3	29.0	12.5	2.0	.2							100.0	4.5	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	3.8	2.8	.1								9.2	7.1	6.0
020-040	1.6	1.3	1.0	.1	.1							4.1	6.9	6.0
050-070	1.9	3.3	2.2	.2								7.7	7.5	8.0
(E) 080-100	2.2	3.7	1.8	.3								8.0	7.1	6.0
110-130	2.0	1.4	.7									4.1	5.2	5.0
140-160	.9	1.0	.6	.1								2.6	6.8	7.0
(S) 170-190	1.0	1.2	.4	.1								2.8	6.2	6.0
200-220	1.4	2.9	1.7	.1								6.1	7.4	8.0
230-250	2.7	3.6	1.3									7.6	6.0	5.5
(W) 260-280	3.0	3.2	2.3	.3	.1							9.0	7.4	7.0
290-310	2.7	5.8	4.1	1.2	.1							13.9	8.3	7.0
320-340	2.2	2.7	3.0	.3	.1							8.3	7.9	8.0
VARIABLE														
CALM	//											16.7	////////////	
TOTALS	24.2	33.9	21.9	2.8	.4							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	4.2	3.7	.4	.1							9.8	8.8	9.0
020-040	1.0	3.6	2.1									6.7	7.8	8.0
050-070	1.0	2.9	1.7	.4	.2							6.2	8.9	8.0
(E) 080-100	1.0	3.6	2.6	.8	.2							8.1	9.6	8.0
110-130	1.0	1.9	1.3	.1								4.3	7.4	7.0
140-160	1.7	1.9	1.1									4.7	6.4	5.5
(S) 170-190	1.2	1.7	1.0									3.9	6.9	7.0
200-220	.8	1.4	2.8	.4								5.4	9.4	10.0
230-250	1.1	3.4	2.1	.8	.1							7.6	8.8	8.0
(W) 260-280	2.2	3.4	2.9	.9		.1						9.6	8.4	8.0
290-310	2.4	4.7	6.8	2.2	.2	.1						16.4	10.0	10.0
320-340	2.0	5.6	4.4	1.6	.1							13.7	8.9	8.0
VARIABLE														
CALM	//											3.7	//////////	
TOTALS	16.7	38.3	32.5	7.6	.9	.2						100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	3.0	2.6	.6								7.2	8.8	8.0
020-040	1.0	1.6	1.2									3.8	7.1	7.0
050-070	.8	1.8	1.6	.6	.6							5.2	10.0	10.0
(E) 080-100	1.1	2.8	3.4	.3	.3							8.0	9.6	10.0
110-130	.8	3.1	1.1									5.0	7.5	8.0
140-160	.9	1.4	1.0	.1								3.4	7.2	7.0
(S) 170-190	.8	1.7	2.0	.3								4.8	8.5	8.0
200-220	.9	1.1	3.2	1.3	.2							6.8	11.0	10.0
230-250	1.3	2.8	3.9	.9	.2	.2						9.3	9.8	10.0
(W) 260-280	1.6	3.7	3.7	1.4	.2							10.6	9.3	10.0
290-310	2.1	7.1	7.2	3.6	1.2	.2						21.4	10.8	10.0
320-340	1.3	4.2	5.4	1.3	.6	.1						13.0	10.3	10.0
VARIABLE														
CALM	//											1.4	//////////	
TOTALS	13.7	34.3	36.3	10.4	3.3	.5						100.0	9.5	10.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	1.8	2.9	.8								7.1	8.9	10.0
020-040	1.0	1.8	.1									2.9	5.5	5.5
050-070	1.0	2.1	.8	.3								4.2	7.3	6.5
(E) 080-100	.6	4.1	3.2	.2								8.1	8.9	9.0
110-130	.3	4.3	2.1	.3								7.1	8.3	8.0
140-160	1.1	2.1	2.0									5.2	7.9	8.0
(S) 170-190	.9	1.2	2.1	.3		.1						4.7	9.6	10.0
200-220	.7	2.1	3.2	.8	.1							6.9	10.2	10.0
230-250	1.3	2.9	3.2	1.1	.1							8.7	9.4	10.0
(W) 260-280	1.7	4.6	5.4	.4	.2							12.3	8.8	9.0
290-310	.8	4.1	7.3	3.6	.8	.3						16.9	11.7	12.0
320-340	2.0	5.2	5.3	1.7	.3							14.6	9.5	10.0
VARIABLE														
CALM	//											1.3	//////////	
TOTALS	13.1	36.3	37.6	9.5	1.5	.4						100.0	9.3	9.5

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.8	1.8	1.8	.8	.1							6.2	8.4	7.0
020-040	.7	1.7	.2									2.6	6.0	6.0
050-070	.8	2.2	1.0									4.0	6.9	7.0
(E) 080-100	2.4	4.8	1.6	.1								8.9	6.5	6.0
110-130	2.8	3.4	.9	.1								7.2	6.1	6.0
140-160	3.3	2.9	1.0									7.2	5.3	5.0
(S) 170-190	3.7	6.4	1.7	.1	.1							12.0	6.4	6.0
200-220	2.1	3.6	2.2	.1								8.0	7.0	7.0
230-250	2.3	3.9	1.2	.2								7.7	6.6	6.0
(W) 260-280	2.7	3.2	1.6	.2								7.7	6.5	6.0
290-310	2.9	4.9	3.3	.7	.4							12.2	8.4	8.0
320-340	2.7	5.4	2.4	.7	.1	.2						11.6	8.0	8.0
VARIABLE														
CALM	//											4.8	//////////	
TOTALS	28.2	44.2	18.9	3.0	.7	.2						100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.1	2.6	1.7	.4	.3							7.1	8.2	7.0
020-040	1.3	1.9	.8									4.0	6.6	6.0
050-070	2.0	2.3	1.1									5.4	6.2	5.0
(E) 080-100	2.2	2.3	1.0	.3								5.9	6.7	6.0
110-130	2.8	1.6	.6	.3								5.2	5.6	4.0
140-160	3.7	.7	.3	.1								4.8	3.9	3.0
(S) 170-190	4.7	4.3	.4	.1								9.6	5.1	5.0
200-220	4.3	5.3	1.2	.2								11.1	6.0	5.0
230-250	4.9	3.3	.3									8.6	4.8	4.0
(W) 260-280	2.1	2.4	.7	.2								5.4	6.2	5.0
290-310	2.8	4.0	2.6	.6	.3							10.2	8.2	8.0
320-340	1.7	3.7	2.0	.3	.1	.1						7.9	8.1	7.0
VARIABLE														
CALM	//											14.8	//////////	
TOTALS	34.6	34.4	12.7	2.5	.7	.1						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.8	3.1	2.3	.4	.1							7.8	8.0	8.0
020-040	1.1	1.8	.8	.0	.0							3.8	6.9	6.0
050-070	1.7	2.5	1.4	.2	.1							5.9	7.2	6.0
(E) 080-100	1.7	3.3	2.0	.3	.1							7.4	7.8	7.0
110-130	1.5	2.2	.9	.1								4.7	6.6	6.0
140-160	1.7	1.3	.9	.0								3.9	6.1	5.0
(S) 170-190	2.0	2.4	1.1	.1	.0	.0						5.7	6.5	6.0
200-220	2.4	2.8	2.0	.4	.1							7.7	7.4	7.0
230-250	2.5	3.1	1.6	.4	.1	.0						7.5	7.1	6.0
(W) 260-280	2.4	3.5	2.4	.5	.1	.0						8.8	7.6	7.0
290-310	2.5	4.8	4.5	1.6	.5	.1						14.0	9.4	9.0
320-340	2.1	4.3	3.3	.8	.2	.1						10.7	8.6	8.0
VARIABLE														
CALM	//											11.9	//////////	
TOTALS	23.4	35.1	23.2	4.8	1.3	.2						100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.4	2.1	3.3	.8								7.5	9.2	10.0
020-040	1.1	4.6	1.7	.1								7.5	7.6	7.0
050-070	2.4	9.5	6.7	1.1	.3							19.9	8.6	8.0
(E) 080-100	3.6	9.8	6.0	1.5	.5							21.3	8.7	8.0
110-130	1.7	3.6	2.5	.7								8.4	8.0	8.0
140-160	2.6	1.4	1.4	.2								5.5	6.4	5.0
(S) 170-190	1.0	1.6	1.0	.4								3.9	7.7	8.0
200-220	1.2	1.2	1.2	.2								3.7	7.5	8.0
230-250	1.0	1.1	.5	.2								2.8	6.6	6.0
(W) 260-280	.7	1.4	.8		.3							3.2	8.3	7.0
290-310	.3	1.6	.7	.6	.3							3.5	10.5	8.0
320-340	1.9	1.5	2.5	.5	.1							6.4	8.6	8.0
VARIABLE														
CALM	//											6.4	//////////	
TOTALS	18.9	39.4	28.3	6.3	1.5							100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 1014

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: /24096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.0	2.2	.8									5.9	5.3	4.0
020-040	1.5	2.2	.5									4.2	5.8	6.0
050-070	1.4	2.8	1.0	.1								5.3	6.8	7.0
(E) 080-100	2.5	1.5	.6	.1								4.7	5.3	4.0
110-130	2.9	.2										3.1	2.8	3.0
140-160	2.2	1.0										3.1	3.4	3.0
(S) 170-190	2.9	2.2	.1	.2								5.4	5.1	4.0
200-220	6.7	4.9	.9	.1								12.6	4.8	4.0
230-250	5.9	2.8	.5									9.2	4.3	4.0
(W) 260-280	3.8	2.8	.3									6.9	4.4	4.0
290-310	2.6	1.0	.5	.2								4.3	5.0	4.0
320-340	3.3	2.2	.5									6.0	5.0	4.0
VARIABLE														
CALM	//											29.2	//////////	
TOTALS	38.7	25.8	5.7	.7								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.0	2.7	.3									7.0	4.6	4.0
020-040	2.8	1.7	.6									5.2	4.8	4.0
050-070	2.6	2.9	1.1									6.6	6.1	6.0
(E) 080-100	1.6	.8	.9									3.2	6.1	5.0
110-130	2.0	.2										2.3	2.8	3.0
140-160	2.2	1.2	.1									3.4	3.8	3.0
(S) 170-190	2.2	1.2	.3									3.7	4.3	2.5
200-220	3.8	4.8	.9									9.5	5.4	5.0
230-250	4.7	1.4	.3									6.5	3.9	3.0
(W) 260-280	3.5	1.6	.3									5.5	4.3	4.0
290-310	2.2	2.0	1.0	.1								5.3	6.2	5.0
320-340	2.5	2.9	.8									6.1	5.4	5.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	35.9	//////////	//////////
TOTALS	34.1	23.4	6.6	.1								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.4	4.7	.6	.1								9.9	5.5	5.0
020-040	3.1	3.7	1.4	.1								8.3	5.9	6.0
050-070	2.3	3.4	1.4	.1								7.2	6.6	7.0
(E) 080-100	3.3	2.3	.5	.1								6.2	5.3	4.0
110-130	2.0	1.1										3.1	4.1	4.0
140-160	2.6	1.2	.1									3.9	3.6	3.0
(S) 170-190	2.4	2.0	.9	.1								5.4	5.9	5.5
200-220	4.0	3.6	1.8									9.4	5.9	5.0
230-250	3.7	4.2	1.8	.1								9.8	6.0	6.0
(W) 260-280	1.9	3.6	.8	.6								6.9	7.0	6.0
290-310	1.7	2.9	2.2	.1								6.9	7.6	7.0
320-340	2.7	2.8	1.5	.1								7.1	6.1	5.5
VARIABLE														
CALM	//											15.9	//////////	
TOTALS	34.1	35.5	13.0	1.4								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.5	3.2	2.7	.4								8.8	7.7	8.0
020-040	1.9	3.4	2.3	.5								8.2	7.8	7.5
050-070	2.3	2.7	1.1	.4								6.5	6.5	5.5
(E) 080-100	2.2	3.4	1.4	.2	.1							7.3	7.0	6.0
110-130	2.7	3.2	.5									6.5	5.3	5.0
140-160	2.0	1.6	.3									4.0	5.0	4.0
(S) 170-190	1.3	1.8	.6									3.8	6.2	7.0
200-220	1.8	3.1	2.3	.4								7.6	8.0	8.0
230-250	2.2	5.6	4.1	.8								12.6	8.2	8.0
(W) 260-280	2.0	3.4	3.5	1.0	.1							10.1	8.7	8.0
290-310	3.1	3.8	2.7	.9	.1							10.5	7.6	6.5
320-340	3.4	3.7	2.9		.1							10.1	6.9	6.0
VARIABLE														
CALM	//											4.1	//////////	
TOTALS	27.4	38.9	24.4	4.6	.4							100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	4.1	2.0	.1								8.0	7.3	7.0
020-040	1.8	2.4	1.6	.4								6.2	7.5	8.0
050-070	1.7	1.8	1.4	.2	.1							5.3	7.4	7.0
(E) 080-100	1.2	3.7	1.9	.4								7.2	8.0	7.0
110-130	1.9	3.7	.5									6.1	5.6	6.0
140-160	1.0	2.4	.8									4.1	6.7	6.0
(S) 170-190	.9	2.5	1.7									5.1	7.6	8.0
200-220	.4	2.9	2.4	.2	.1							6.0	9.0	8.0
230-250	2.3	4.5	7.0	.6	.3							14.7	9.2	10.0
(W) 260-280	2.5	5.1	4.0	.9	.1							12.5	8.2	8.0
290-310	1.9	5.1	3.5	1.8	.1							12.5	9.2	9.0
320-340	2.2	4.9	2.6	.4	.1							10.2	7.5	6.0
VARIABLE														
CALM	//											2.2	//////////	
TOTALS	19.5	43.1	29.4	5.0	.8							100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	2.4	.5	.2								5.8	5.8	5.0
020-040	.6	2.2	1.1	.4								4.3	8.3	8.0
050-070	1.1	2.0	1.4	.2	.2							4.9	8.5	9.0
(E) 080-100	1.8	3.5	2.2	.2								7.7	7.3	7.0
110-130	1.9	4.2	1.2									7.3	6.2	6.0
140-160	2.0	3.5	.9									6.5	5.9	6.0
(S) 170-190	1.8	4.8	2.2									8.8	7.2	7.0
200-220	.8	2.2	2.3	.2								5.4	8.7	8.5
230-250	1.3	3.9	5.4	.6	.2							11.4	9.5	10.0
(W) 260-280	2.8	5.1	4.7	.9		.1						13.5	8.6	8.5
290-310	3.0	3.5	4.5	1.3								12.4	8.6	9.0
320-340	2.4	3.5	2.3	.8	.2							9.1	8.0	7.0
VARIABLE														
CALM	//											2.8	//////////	
TOTALS	22.2	40.8	28.7	4.8	.6	.1						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.6	1.6	1.1	.1								4.4	6.5	5.0
020-040	.9	1.8	.5	.1								3.3	7.0	6.0
050-070	1.1	1.7	1.4									4.2	7.4	7.0
(E) 080-100	2.2	2.8	1.0	.1	.1							6.1	6.3	6.0
110-130	5.4	3.9	.2									9.5	4.7	4.0
140-160	5.2	4.2	.3									9.7	4.6	4.0
(S) 170-190	6.9	7.8	1.6									16.3	5.5	5.0
200-220	4.1	4.4	1.1									9.6	5.5	5.0
230-250	4.2	5.5	1.1		.1							10.9	5.7	5.0
(W) 260-280	2.0	3.0	.9	.2								6.1	6.5	5.0
290-310	2.7	2.5	1.4	.4	.1							7.1	7.0	7.0
320-340	2.4	1.6	1.0	.3								5.3	6.4	6.0
VARIABLE														
CALM	//											7.5	//////////	
TOTALS	38.7	40.8	11.6	1.2	.3							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.0	3.0	1.0									6.0	6.4	6.0
020-040	1.5	1.1	.8	.1								3.4	6.6	6.0
050-070	1.8	2.2	.6	.2								4.8	6.5	6.0
(E) 080-100	3.2	2.4	.3	.3								6.2	5.2	4.0
110-130	5.1	1.5										6.6	3.3	3.0
140-160	3.9	1.6		.1								5.6	3.8	3.0
(S) 170-190	6.7	4.4	1.1									12.2	4.8	4.0
200-220	7.0	6.0	1.1									14.1	4.9	5.0
230-250	6.1	2.9	.3									9.4	4.1	4.0
(W) 260-280	2.8	1.2	.3	.2								4.5	4.9	4.0
290-310	2.2	1.4	.4	.3								4.3	5.8	4.5
320-340	2.0	1.5	.5									4.1	5.2	4.5
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	3.0	1.1	.1								7.0	6.2	6.0
020-040	1.8	2.3	1.1	.2								5.4	6.7	6.0
050-070	1.8	2.4	1.2	.2	.0							5.6	6.9	7.0
(E) 080-100	2.2	2.5	1.1	.2	.0							6.1	6.4	6.0
110-130	3.0	2.2	.3									5.6	4.7	4.0
140-160	2.6	2.1	.3	.0								5.0	4.7	4.0
(S) 170-190	3.1	3.3	1.1	.0								7.6	5.8	6.0
200-220	3.6	4.0	1.6	.1	.0							9.3	6.1	5.0
230-250	3.8	3.8	2.6	.3	.1							10.6	6.8	6.0
(W) 260-280	2.7	3.2	1.9	.5	.0	.0						8.3	7.1	6.0
290-310	2.4	2.8	2.0	.6	.0							7.9	7.6	7.0
320-340	2.6	2.9	1.5	.2	.1							7.3	6.6	6.0
VARIABLE														
CALM	//											14.6	////////////	
TOTALS	32.3	34.5	15.8	2.4	.2							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.9	1.1	.7	.1								3.9	6.3	5.0
020-040	1.7	4.1	2.6	1.0								9.4	8.5	8.0
050-070	3.5	7.9	5.6	1.0	.3							18.4	8.4	8.0
(E) 080-100	4.4	7.0	3.7	1.0	.2							16.2	7.8	8.0
110-130	5.6	3.4	.2									9.2	4.3	4.0
140-160	2.1	3.4	.4	.1								6.1	5.5	5.0
(S) 170-190	2.2	2.6	2.0	.1								7.0	7.0	7.0
200-220	2.7	2.4	.8	.1								6.1	5.5	5.0
230-250	2.5	1.3	.7									4.6	4.9	4.0
(W) 260-280	1.1	.5	.5	.1								2.2	6.6	4.5
290-310	.5	1.1	.2	.1								1.9	6.6	6.0
320-340	1.5	2.0	.5	.1								4.2	6.2	6.0
VARIABLE														
CALM	//////////											10.9	//////////	
TOTALS	29.7	36.8	17.9	3.7	.5							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 986

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	3.4	.6									8.2	4.7	4.0
020-040	1.7	1.1										2.8	4.4	4.0
050-070	1.9	1.9										3.8	4.6	4.5
(E) 080-100	2.0											2.0	2.3	2.0
110-130	1.4	.1										1.6	2.4	2.0
140-160	1.7	.3										2.0	2.8	2.0
(S) 170-190	4.1	2.3	.7									7.1	4.5	4.0
200-220	8.1	5.9	.7									14.7	4.6	4.0
230-250	6.2	3.0	.2									9.4	4.1	4.0
(W) 260-280	3.4	1.1	.3									4.9	4.2	3.5
290-310	1.8	2.3	.8									4.9	5.7	5.5
320-340	3.1	1.4	.3	.1								5.0	4.6	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	33.7	//////////	
TOTALS	39.6	22.8	3.6	.1								100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	2.3	.2									5.9	4.1	4.0
020-040	2.2	.8										3.0	4.0	4.0
050-070	3.6	1.0	.1									4.7	3.5	2.5
(E) 080-100	1.9	1.4	.1									3.4	4.0	4.0
110-130	.8	.2										1.0	2.9	2.0
140-160	1.3	.1										1.4	2.5	2.0
(S) 170-190	2.6	1.1	.2									3.9	4.0	4.0
200-220	8.4	3.8	.7									12.9	4.1	4.0
230-250	5.3	2.0	.2									7.6	3.8	4.0
(W) 260-280	3.3	1.8										5.1	3.9	4.0
290-310	2.8	2.6	.2									5.6	5.1	4.5
320-340	3.9	2.1	.4	.2								6.7	4.9	4.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	4.4	1.1	.1								9.1	6.0	6.0
020-040	3.0	2.9	.4									6.3	4.9	5.0
050-070	4.1	2.8	.2									7.1	4.6	4.0
(E) 080-100	3.0	2.0	.1									5.1	4.3	4.0
110-130	1.8	.2										2.0	2.6	2.0
140-160	1.6	.1										1.7	2.8	3.0
(S) 170-190	2.0	1.0	.2									3.2	4.2	4.0
200-220	5.1	4.8	1.2									11.1	5.4	5.0
230-250	6.1	6.9	1.7	.1								14.8	5.7	5.0
(W) 260-280	3.8	3.7	.9									8.3	5.3	5.0
290-310	3.1	3.0	1.7									7.8	6.0	6.0
320-340	3.0	4.7	1.6	.1								9.3	6.2	6.0
VARIABLE														
CALM	//											14.1	//////////	
TOTALS	40.0	36.5	9.1	.3								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.0	3.1	2.4	.2								7.8	7.4	7.5
020-040	3.3	3.0	1.1									7.4	5.5	5.0
050-070	2.0	3.1	.4									5.6	5.7	6.0
(E) 080-100	2.6	3.4	.6									6.6	5.2	5.0
110-130	3.2	1.9	.4									5.6	4.5	4.0
140-160	.9	.7	.1									1.7	4.6	4.0
(S) 170-190	1.4	1.8	.2									3.4	5.1	5.0
200-220	1.4	2.9	1.8									6.1	7.2	7.0
230-250	4.0	5.6	4.4	.6								14.6	7.5	8.0
(W) 260-280	3.8	5.8	2.9	.7								13.1	7.1	6.5
290-310	3.9	4.8	2.8	.4								11.9	7.0	6.0
320-340	3.8	5.3	2.6	.4								12.1	6.9	6.0
VARIABLE														
CALM	//											4.2	//////////	
TOTALS	32.3	41.4	19.7	2.3								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 *MONTH: JUN* *HOURS: 12-14*

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.8	2.9	2.1	.2								7.0	7.4	7.0
020-040	1.6	2.7	.8									5.0	6.3	6.0
050-070	1.2	2.9	.6	.1								4.8	6.5	6.0
(E) 080-100	2.6	3.0	.6									6.1	5.7	6.0
110-130	2.6	1.9	.2									4.7	4.4	4.0
140-160	1.3	1.6	.2									3.1	5.2	5.0
(S) 170-190	1.7	1.8	.2									3.7	5.1	5.0
200-220	1.9	4.1	1.6	.1								7.7	6.9	7.0
230-250	2.9	8.0	5.7	.2								16.8	7.7	8.0
(W) 260-280	3.1	6.4	2.9	.9								13.3	7.5	7.0
290-310	3.3	5.6	3.9	1.0								13.8	7.9	7.0
320-340	2.3	3.9	4.6									10.8	7.8	8.0
VARIABLE		.1										.1	9.0	9.0
CALM	//											3.2	//////////	
TOTALS	26.3	44.9	23.4	2.5								100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	2.7	2.2									6.0	8.1	8.0
020-040	1.0	1.6	.4									3.0	5.9	6.0
050-070	1.8	2.3	1.0									5.1	6.0	6.0
(E) 080-100	1.9	2.7	.8									5.3	5.9	6.0
110-130	2.8	3.3	.3									6.4	4.9	5.0
140-160	2.9	2.3	.3									5.6	5.0	4.0
(S) 170-190	2.6	3.6	.8									6.9	5.6	5.5
200-220	2.0	5.1	1.9	.1								9.1	7.3	7.0
230-250	2.1	7.3	4.4	.4								14.3	8.1	8.0
(W) 260-280	3.0	6.6	3.8	.6								13.9	7.5	7.0
290-310	2.1	4.0	3.3	.6	.4							10.4	8.5	8.0
320-340	4.0	5.3	2.7	.3								12.3	6.7	6.0
VARIABLE														
CALM	//											1.6	//////////	
TOTALS	27.3	46.8	21.9	2.0	.4							100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	2.2	1.0									5.1	6.4	5.5
020-040	1.0	1.6	.6									3.1	6.1	6.5
050-070	1.2	1.8	.2									3.2	5.9	6.0
(E) 080-100	2.1	2.3	.7									5.1	5.4	5.0
110-130	4.2	1.0	.1									5.3	3.6	3.0
140-160	6.8	2.3	.1									9.2	3.5	4.0
(S) 170-190	8.4	6.4	.6									15.4	4.7	4.0
200-220	6.3	6.3	.6	.1								13.3	4.9	5.0
230-250	4.1	4.8	.6									9.4	5.0	5.0
(W) 260-280	4.0	2.6	.7		.1							7.3	5.1	4.0
290-310	3.8	3.3	1.4	.2								8.8	6.0	5.0
320-340	2.9	4.0	.6									7.4	5.1	5.0
VARIABLE														
CALM	//											7.1	////////////	
TOTALS	46.7	38.6	7.2	.3	.1							100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	2.1	.9									6.1	5.1	4.0
020-040	1.0	1.6	.1									2.7	5.0	5.0
050-070	1.7	1.0	.1									2.8	4.6	4.0
(E) 080-100	3.7	.8	.3									4.8	3.7	3.0
110-130	2.6	.4										3.0	2.6	2.0
140-160	4.3	.2										4.6	2.5	2.0
(S) 170-190	6.9	5.6	.4									12.9	4.4	4.0
200-220	10.9	6.2	.8									17.9	4.4	4.0
230-250	7.3	3.6	.3									11.2	4.2	4.0
(W) 260-280	3.8	.8	.6									5.1	4.2	3.0
290-310	2.4	.6	.2									3.2	3.8	3.0
320-340	3.1	1.1	.1									4.3	4.0	4.0
VARIABLE														
CALM	//											21.4	//////////	
TOTALS	50.8	24.0	3.8									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.6	2.9	1.3	.1								6.9	6.1	6.0
020-040	1.8	1.9	.4									4.2	5.3	5.0
050-070	2.2	2.1	.3	.0								4.6	5.2	5.0
(E) 080-100	2.5	2.0	.4									4.8	4.8	4.0
110-130	2.4	1.1	.1									3.7	3.9	4.0
140-160	2.6	1.0	.1									3.7	3.7	3.0
(S) 170-190	3.7	2.9	.4									7.1	4.7	4.0
200-220	5.5	4.9	1.1	.0								11.6	5.3	5.0
230-250	4.8	5.1	2.2	.2								12.3	6.1	6.0
(W) 260-280	3.5	3.6	1.5	.3	.0							8.9	6.2	6.0
290-310	2.9	3.3	1.8	.3	.1							8.3	6.8	6.0
320-340	3.3	3.5	1.6	.2								8.5	6.2	6.0
VARIABLE		.0										.0	9.0	9.0
CALM	//											15.5	////////////	
TOTALS	37.8	34.3	11.2	1.1	.1							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.3	2.6	.2									4.2	5.6	6.0
020-040	2.0	4.9	.4									7.3	5.9	6.0
050-070	5.6	10.1	1.3	.1								17.2	6.1	6.0
(E) 080-100	7.7	7.9	.7									16.3	4.9	5.0
110-130	4.8	3.4	.1									8.3	4.2	4.0
140-160	3.4	1.4	.1									4.9	3.7	4.0
(S) 170-190	3.0	2.0	.4									5.4	4.6	4.0
200-220	4.3	2.9	.1									7.3	4.0	4.0
230-250	3.1	2.0	.4									5.5	4.6	4.0
(W) 260-280	1.8	1.1			.1							3.0	4.6	4.0
290-310	1.1	.7	.1									1.9	4.5	4.0
320-340	1.4	.8	.1	.2								2.6	5.2	4.0
VARIABLE														
CALM	//											15.9	//////////	
TOTALS	39.5	39.8	3.9	.3	.1							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 832

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE *SURFACE WIND DIRECTION* VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	2.8	.1									6.7	4.5	4.0
020-040	1.5	1.2	.2									2.9	4.7	4.0
050-070	2.3	.6	.1									3.0	3.8	3.5
(E) 080-100	1.4	.3										1.7	2.7	2.0
110-130	1.2	.2	.1									1.5	3.3	3.0
140-160	1.5	.2	.1									1.8	3.4	3.0
(S) 170-190	4.0	1.0	.3									5.3	3.8	3.0
200-220	8.7	4.4	.3									13.4	3.9	3.0
230-250	8.3	2.9	.1									11.3	3.9	4.0
(W) 260-280	3.2	1.1										4.3	3.9	4.0
290-310	2.8	1.8										4.6	4.1	4.0
320-340	3.9	1.2										5.1	3.4	3.0
VARIABLE														
CALM	//											38.4	//////////	
TOTALS	42.6	17.7	1.3									100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.0	2.0	.2									5.3	4.2	4.0
020-040	1.1	1.2	.3									2.6	5.5	5.5
050-070	2.6	.8										3.3	3.3	3.0
(E) 080-100	1.4	.9										2.3	4.0	4.0
110-130	1.5	.4										1.9	3.3	3.0
140-160	1.8	.1	.1									2.0	2.8	2.0
(S) 170-190	4.6	.9										5.5	3.2	3.0
200-220	8.1	2.5	.1	.1								10.8	3.6	3.0
230-250	6.7	1.7	.1									8.5	3.5	3.0
(W) 260-280	6.2	.8										7.0	3.2	3.0
290-310	3.3	1.2	.2									4.7	3.8	3.0
320-340	4.7	.8	.1									5.6	3.2	3.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	4.4	.5									9.1	5.2	5.0
020-040	2.7	3.2	.5									6.5	5.3	5.0
050-070	3.0	3.0	.5									6.6	5.0	5.0
(E) 080-100	2.3	1.2										3.4	3.7	4.0
110-130	1.7	.6	.1									2.5	3.6	2.0
140-160	1.3	1.0	.1									2.4	4.8	4.0
(S) 170-190	2.0	1.4	.1									3.5	4.2	4.0
200-220	4.7	4.6	.2	.2								9.8	4.8	5.0
230-250	5.9	5.3	.8		.1							12.0	4.9	5.0
(W) 260-280	3.7	4.2	.3									8.2	5.1	5.0
290-310	4.2	3.4	.5	.1								8.3	4.9	4.0
320-340	4.0	2.5	.5									7.0	4.7	4.0
VARIABLE														
CALM	//											20.8	////////////	
TOTALS	39.7	34.8	4.1	.3	.1							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.9	5.7	.6	.1								10.3	5.3	5.0
020-040	3.0	4.1	.8									7.8	5.3	5.0
050-070	2.8	3.9	.4									7.1	5.3	6.0
(E) 080-100	3.3	2.9	.3									6.6	4.9	4.0
110-130	1.1	.5										1.6	3.4	3.0
140-160	2.8	2.3										5.1	4.3	4.0
(S) 170-190	2.0	2.5	.1									4.6	5.0	5.0
200-220	3.1	3.0	.6									6.8	5.4	5.0
230-250	3.8	6.5	2.6	.1								12.9	6.5	6.0
(W) 260-280	3.8	6.0	1.6									11.4	5.8	6.0
290-310	3.8	4.2	2.0									10.0	6.1	6.0
320-340	3.5	3.1	1.8	.2								8.7	6.2	5.0
VARIABLE														
CALM	//											7.1	//////////	
TOTALS	36.9	44.7	10.8	.4								100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.6	3.0	1.1	.1								8.8	5.1	4.0
020-040	2.7	2.5	.6									5.8	5.1	5.0
050-070	1.6	2.7	.8									5.1	6.0	6.0
(E) 080-100	1.6	2.8	.5									4.9	5.9	6.0
110-130	2.0	1.1	.2									3.3	4.5	4.0
140-160	2.5	1.9	.2									4.6	4.6	4.0
(S) 170-190	3.3	2.0	1.0									6.3	5.4	4.0
200-220	2.2	3.7	1.5									7.3	6.5	6.0
230-250	3.9	7.2	4.3	.1								15.5	7.0	6.0
(W) 260-280	3.1	5.1	1.9									10.1	6.5	6.0
290-310	3.7	5.4	2.6	.1								11.7	6.7	6.0
320-340	4.5	5.5	1.5	.3								11.8	6.0	6.0
VARIABLE														
CALM	//											4.6	//////////	
TOTALS	35.7	42.9	16.2	.6								100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	4.0	.6	.1								7.4	6.0	6.0
020-040	1.2	1.6	.2									3.0	5.2	5.0
050-070	1.6	2.0	.4									4.1	5.5	5.5
(E) 080-100	1.9	3.4	.5									5.9	5.9	6.0
110-130	2.7	3.7	.5									6.9	5.2	5.0
140-160	3.2	4.4	.5									8.2	5.5	5.0
(S) 170-190	2.8	5.6	.9									9.2	6.1	6.0
200-220	1.5	5.4	2.8									9.7	7.3	7.0
230-250	3.9	5.9	2.7	.1								12.6	6.5	6.0
(W) 260-280	2.6	5.6	2.5									10.6	6.9	7.0
290-310	3.2	4.3	1.7									9.2	6.4	6.0
320-340	3.2	4.4	1.8	.3								9.8	6.6	6.0
VARIABLE														
CALM	//////////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	3.3	//////////	
TOTALS	30.5	50.3	15.1	.5								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.9	1.6	.5									6.0	4.3	3.5
020-040	1.0	.9	.3									2.2	6.1	5.0
050-070	1.2	1.1	.1									2.4	4.7	4.5
(E) 080-100	2.2	2.9	.2									5.3	4.8	5.0
110-130	4.6	2.3										6.9	3.8	3.0
140-160	8.1	2.9	.2									11.2	3.7	3.0
(S) 170-190	8.8	5.8	.9									15.5	4.5	4.0
200-220	6.6	6.3	.4									13.3	4.9	5.0
230-250	4.0	5.1	.8	.1	.1							10.0	5.4	5.0
(W) 260-280	2.6	2.6	.1									5.3	4.7	5.0
290-310	2.8	.5	.5									3.9	4.4	3.0
320-340	3.7	2.5	.9									7.0	4.8	4.0
VARIABLE														
CALM	//											11.2	//////////	
TOTALS	49.5	34.5	4.9	.1	.1							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	1.6	.4	.2								4.2	6.2	5.0
020-040	1.7	.8										2.5	3.9	4.0
050-070	2.2	.2	.3									2.7	4.3	4.0
(E) 080-100	2.4	.1	.2									2.7	3.2	2.0
110-130	2.3	.1										2.4	2.4	2.0
140-160	4.1	.6										4.7	2.8	2.0
(S) 170-190	9.6	4.1	.1									13.8	3.6	3.0
200-220	11.4	6.2	.4									18.1	4.1	4.0
230-250	5.7	3.0	.4									9.1	4.4	4.0
(W) 260-280	2.3	1.4	.4									4.1	4.5	3.5
290-310	1.6	1.3	.1									3.0	4.3	4.0
320-340	2.0	1.8										3.9	4.4	4.0
VARIABLE														
CALM	//											28.9	//////////	
TOTALS	47.2	21.2	2.3	.2								100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	3.1	.5	.1								7.2	5.1	5.0
020-040	1.9	1.9	.4									4.2	5.2	5.0
050-070	2.2	1.8	.3									4.3	4.9	4.0
(E) 080-100	2.1	1.8	.2									4.1	4.8	4.0
110-130	2.1	1.1	.1									3.4	4.0	3.0
140-160	3.2	1.7	.2									5.0	4.1	4.0
(S) 170-190	4.7	2.9	.4									8.0	4.5	4.0
200-220	5.8	4.5	.8	.0								11.1	4.8	4.0
230-250	5.3	4.7	1.5	.1	.0							11.5	5.5	5.0
(W) 260-280	3.4	3.3	.9									7.6	5.4	5.0
290-310	3.2	2.8	1.0	.0								6.9	5.5	5.0
320-340	3.7	2.7	.8	.1								7.4	5.3	4.0
VARIABLE														
CALM	//											19.4	//////////	
TOTALS	41.1	32.3	7.1	.3								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.2	2.0	.2	.1								3.5	5.9	6.0
020-040	2.4	3.3	1.0									6.7	6.0	6.0
050-070	3.1	5.1	1.3									9.5	6.0	6.0
(E) 080-100	4.3	4.4	.1									8.8	4.7	5.0
110-130	3.7	1.7	.1									5.5	3.8	3.0
140-160	4.4	2.0										6.3	3.8	3.5
(S) 170-190	5.7	2.7	.2									8.7	4.1	4.0
200-220	6.1	2.8	.2									9.2	4.1	4.0
230-250	5.5	2.9	.9		.1							9.4	4.8	4.0
(W) 260-280	2.7	1.5	.2									4.4	4.5	4.0
290-310	2.0	1.6	.4									3.9	4.8	4.5
320-340	1.1	.6	.1									1.8	4.9	4.0
VARIABLE														
CALM	//											22.2	//////////	
TOTALS	42.2	30.6	4.7	.1	.1							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 819

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.3	2.5	.1									6.9	4.2	4.0
020-040	2.2	1.5	.2									3.9	4.6	4.0
050-070	2.9	1.8	.4									5.2	4.8	4.0
(E) 080-100	1.6	.2										1.8	2.6	2.0
110-130	.8	.1	.1									1.0	3.3	2.0
140-160	.9	.8	.1									1.7	4.5	4.5
(S) 170-190	4.2	2.9	.2									7.3	4.0	4.0
200-220	9.0	3.4		.1								12.6	3.7	3.0
230-250	5.4	2.4	.3									8.1	4.1	4.0
(W) 260-280	3.9	1.0										4.8	3.1	3.0
290-310	2.5	1.5	.1									4.1	4.3	4.0
320-340	2.7	1.1	.1									3.9	4.2	4.0
VARIABLE														
CALM	//											38.8	////////////	
TOTALS	40.4	19.2	1.6	.1								100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.9	2.2	.1									9.1	3.8	3.0
020-040	2.5	1.0	.4									3.9	4.5	4.0
050-070	2.6	1.7	1.0									5.3	5.5	5.0
(E) 080-100	1.5	.3										1.8	2.9	2.0
110-130	.5											.5	2.0	2.0
140-160	.8	.3	.1									1.2	4.2	3.0
(S) 170-190	2.9	1.8	.2									4.9	4.3	4.0
200-220	5.6	3.3	.1									9.0	4.0	4.0
230-250	4.7	1.7	.1									6.6	3.8	4.0
(W) 260-280	3.9	1.0										4.8	3.4	3.0
290-310	2.0	1.9										4.0	4.4	4.0
320-340	4.3	1.4	.2									5.9	3.8	3.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.8	6.1	.4	.1								12.5	5.0	5.0
020-040	4.1	3.3	.4									7.8	5.1	4.0
050-070	3.3	3.3	1.1	.2								8.0	5.8	5.0
(E) 080-100	2.4	1.0										3.3	3.5	3.0
110-130	1.1	.1										1.2	2.5	2.0
140-160	.8	.3										1.1	3.4	3.0
(S) 170-190	2.8	1.9	.2									4.9	4.4	4.0
200-220	5.4	4.2	.3									9.9	4.6	4.0
230-250	3.0	3.9	.3									7.2	5.0	5.0
(W) 260-280	2.5	2.9	.2									5.6	4.8	5.0
290-310	3.2	2.0	.1									5.4	4.4	4.0
320-340	5.3	2.4	.3									8.0	4.3	4.0
VARIABLE														
CALM	//											25.2	//////////	
TOTALS	39.7	31.4	3.3	.3								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.8	4.9	1.1	.3								11.2	5.9	5.0
020-040	4.7	5.7	1.2	.2	.1							11.9	5.8	6.0
050-070	3.9	4.4	1.7	.4								10.4	6.3	6.0
(E) 080-100	2.8	2.0	.5									5.4	5.1	4.0
110-130	2.4	.9										3.2	3.5	3.0
140-160	1.8	1.3										3.1	4.0	4.0
(S) 170-190	2.9	1.2	.3									4.4	4.3	4.0
200-220	3.5	4.4	.5	.2								8.7	5.6	5.0
230-250	3.9	5.1	1.2	.3								10.4	6.1	5.0
(W) 260-280	2.9	4.4	1.0									8.3	5.8	5.0
290-310	3.3	3.5	1.5									8.4	6.1	6.0
320-340	3.4	4.0	1.0	.3								8.7	5.9	5.0
VARIABLE														
CALM	//											5.8	//////////	
TOTALS	40.3	41.8	10.0	1.7	.1							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	5.5	1.5	.1								10.6	6.0	6.0
020-040	3.0	2.7	.5		.1							6.3	5.5	5.0
050-070	2.5	4.2	.6	.4	.1							7.8	6.8	6.0
(E) 080-100	2.5	3.0	1.3	.1								6.9	6.3	6.0
110-130	2.0	1.7	.4									4.2	5.0	5.0
140-160	1.7	2.2	.3									4.2	5.3	5.0
(S) 170-190	.8	2.7	.5									4.0	6.4	6.0
200-220	3.8	4.0	1.5	.2								9.5	6.1	6.0
230-250	3.2	6.8	2.0									12.0	6.4	6.0
(W) 260-280	3.3	4.7	1.2									9.2	5.8	5.5
290-310	4.3	5.2	2.3	.2								11.9	6.3	6.0
320-340	3.5	4.1	2.3	.2								10.1	6.5	6.0
VARIABLE														
CALM	//											3.1	//////////	
TOTALS	34.1	46.8	14.4	1.2	.2							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	4.2	1.3	.2								8.6	6.2	5.5
020-040	2.4	1.5	.5	.1								4.5	5.7	4.0
050-070	1.6	3.2	.8	.3	.1							6.0	7.1	6.0
(E) 080-100	1.6	4.1	.6									6.3	6.1	6.0
110-130	2.3	3.4	.1									5.8	4.9	5.0
140-160	3.0	4.0	.4	.1								7.5	5.4	5.0
(S) 170-190	3.3	4.1	.6	.2								8.3	5.7	5.0
200-220	3.2	4.6	1.6									9.5	6.1	6.0
230-250	2.6	3.7	2.3	.1								8.6	7.1	7.0
(W) 260-280	3.5	4.2	.9									8.6	5.5	5.0
290-310	4.3	3.8	1.9	.3								10.3	6.1	5.0
320-340	5.4	4.0	1.5	.4	.1							11.4	6.0	5.0
VARIABLE														
CALM	//											4.5	//////////	
TOTALS	36.1	44.8	12.5	1.7	.2							100.0	5.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.1	2.4	.1									6.6	4.2	4.0
020-040	1.9	1.6	.1									3.7	4.4	4.0
050-070	2.5	2.0	1.0									5.5	5.8	5.0
(E) 080-100	3.1	1.1										4.2	3.8	4.0
110-130	6.6	1.4										8.0	3.2	3.0
140-160	7.2	2.8										10.0	3.7	3.0
(S) 170-190	12.6	5.5	.2									18.3	4.0	4.0
200-220	6.1	4.6	.4									11.2	4.8	4.0
230-250	4.8	1.3	.4									6.6	3.8	3.0
(W) 260-280	3.4	1.5	.1	.2								5.3	4.5	4.0
290-310	2.3	.6	.1									3.0	4.4	4.0
320-340	3.9	1.9	.3	.1								6.2	4.3	4.0
VARIABLE														
CALM	//											11.6	//////////	
TOTALS	58.5	26.7	2.7	.3								100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	1.6	.4									5.5	4.2	4.0
020-040	1.7	1.0	.2									2.9	4.1	3.0
050-070	3.3	1.6	.4									5.4	4.5	4.0
(E) 080-100	1.4	.4										1.8	3.1	3.0
110-130	2.4	.2										2.6	2.5	2.0
140-160	3.5	.5	.1									4.2	2.9	2.0
(S) 170-190	9.9	4.0	.1									14.0	3.8	4.0
200-220	11.9	4.9	.4									17.3	4.0	4.0
230-250	5.9	2.3	.2									8.4	4.0	4.0
(W) 260-280	2.4	.4										2.8	3.1	2.0
290-310	2.5	.9										3.3	3.6	3.0
320-340	2.8	.8										3.5	3.7	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	28.3	//////////	//////////
TOTALS	51.1	18.6	1.8									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	4.5	3.7	.6	.1								8.9	5.0	4.0
020-040	2.8	2.3	.5	.0	.0							5.6	5.2	4.5
050-070	2.8	2.8	.9	.2	.0							6.7	5.9	5.0
(E) 080-100	2.1	1.5	.3	.0								4.0	4.8	4.0
110-130	2.2	1.0	.1									3.3	3.8	3.0
140-160	2.5	1.5	.1	.0								4.1	4.2	4.0
(S) 170-190	4.9	3.0	.3	.0								8.3	4.4	4.0
200-220	6.1	4.2	.6	.1								11.0	4.8	4.0
230-250	4.2	3.4	.9	.1								8.5	5.2	5.0
(W) 260-280	3.2	2.5	.4	.0								6.2	4.9	4.0
290-310	3.1	2.4	.8	.1								6.3	5.4	5.0
320-340	3.9	2.4	.7	.1	.0							7.2	5.2	4.0
VARIABLE														
CALM	//											20.0	//////////	
TOTALS	42.3	30.7	6.2	.7								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.6	2.9										6.4	4.8	4.0
020-040	2.6	4.3	2.0	.2								9.2	6.9	6.0
050-070	4.9	6.8	4.1	.8								16.6	7.3	7.0
(E) 080-100	4.1	1.9	.2									6.2	4.3	3.0
110-130	2.4	.6										3.0	3.2	3.0
140-160	1.5	.5	.2									2.3	4.3	4.0
(S) 170-190	3.2	2.9	.4	.1								6.6	5.0	5.0
200-220	5.0	3.8	.5	.1								9.4	4.9	4.0
230-250	5.0	3.6										8.6	4.3	4.0
(W) 260-280	3.0	1.4	.1	.2								4.8	4.5	4.0
290-310	1.4	.7	.4									2.5	5.3	4.0
320-340	2.0	.7	.1									2.9	3.7	3.0
VARIABLE														
CALM	//											21.7	////////////	
TOTALS	38.7	30.1	8.0	1.4								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 839

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.7	2.9	.3									9.9	4.1	3.0
020-040	2.8	1.3	.2									4.3	4.3	4.0
050-070	2.2	2.1	.8									5.1	5.5	5.0
(E) 080-100	1.6	.1	.3	.1								2.1	4.6	3.0
110-130	1.4	.2	.2									1.9	3.6	3.0
140-160	1.2	.3										1.6	2.7	2.0
(S) 170-190	2.8	1.1										3.9	3.7	4.0
200-220	4.9	3.8	.3	.1								9.1	4.6	4.0
230-250	7.3	3.3	.4	.1								11.2	4.3	4.0
(W) 260-280	3.1	1.2										4.3	3.4	3.0
290-310	2.1	2.0	.1									4.2	4.8	4.5
320-340	2.8	1.4	.6									4.8	4.9	4.0
VARIABLE														
CALM	//											37.6	//////////	
TOTALS	38.9	19.7	3.2	.3								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.2	2.7	.2									9.1	3.9	3.5
020-040	3.6	3.4	.3									7.3	4.6	5.0
050-070	3.0	.7	.6									4.2	4.4	3.0
(E) 080-100	1.6	.6	.1	.2								2.4	5.0	3.0
110-130	.7	.2										.9	3.5	2.0
140-160	1.1	.2										1.3	2.8	2.0
(S) 170-190	2.2	1.8	.2	.1								4.3	5.1	4.0
200-220	5.1	1.6	.7	.1								7.4	4.5	4.0
230-250	7.4	1.6	.1									9.1	3.4	3.0
(W) 260-280	3.0	1.2	.2									4.4	4.2	4.0
290-310	3.1	1.2	.4	.1								4.9	4.8	4.0
320-340	3.3	2.3	.1									5.8	4.4	4.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.7	3.7	.7	.2								10.2	4.9	4.0
020-040	4.7	5.0	.7									10.3	5.1	5.0
050-070	4.4	2.4	.9	.2		.2						8.2	5.7	4.0
(E) 080-100	1.4	.2	.1	.1								1.9	4.3	3.0
110-130	1.3	.2										1.6	3.0	3.0
140-160	1.2	.4										1.7	3.5	3.0
(S) 170-190	2.1	1.6	.3									4.0	4.6	4.0
200-220	3.2	3.9	.6									7.7	5.2	6.0
230-250	6.0	3.8	.6	.1								10.4	4.7	4.0
(W) 260-280	2.9	2.0	.1									5.0	4.5	4.0
290-310	2.0	2.9	.8	.2								5.9	6.2	6.0
320-340	3.8	3.3	.3	.1								7.6	4.6	4.5
VARIABLE														
CALM	//											25.6	//////////	
TOTALS	38.7	29.4	5.1	.9		.2						100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.9	6.2	1.3	.4								11.9	6.4	6.0
020-040	4.2	6.2	1.2		.1							11.8	5.9	6.0
050-070	4.1	3.7	2.3									10.1	6.0	6.0
(E) 080-100	2.0	2.7	.8									5.4	5.7	6.0
110-130	2.1	1.3	.1									3.6	4.5	4.0
140-160	.8	1.2	.2									2.2	5.5	5.0
(S) 170-190	2.0	1.4	.3									3.8	5.0	4.0
200-220	2.4	3.3	1.8									7.6	6.6	6.0
230-250	1.9	6.7	2.0	.2	.1							10.9	7.0	6.0
(W) 260-280	3.2	3.6	2.6	.3								9.7	6.9	6.0
290-310	3.6	2.9	2.0	.1				.1				8.7	6.6	5.0
320-340	1.4	4.0	1.6	.7	.2							7.9	8.2	8.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	6.6	////	////
TOTALS	31.6	43.2	16.2	1.7	.4			.1				100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	4.2	1.3	.2								8.1	6.5	6.0
020-040	2.8	4.9	.9	.1								8.7	6.1	6.0
050-070	2.6	2.9	2.1	.2								7.8	6.9	6.5
(E) 080-100	2.4	2.8	.8									6.0	5.6	5.0
110-130	1.8	2.4	.1									4.3	5.1	5.0
140-160	1.2	1.1	.1									2.4	5.0	4.5
(S) 170-190	2.2	2.0	1.0									5.2	5.7	5.0
200-220	1.8	3.4	1.4	.1								6.8	6.7	6.0
230-250	3.0	6.0	3.1	.2								12.3	7.2	6.0
(W) 260-280	3.0	6.3	2.0	.4	.2							12.0	7.1	6.0
290-310	4.0	4.8	4.2	.7				.1				13.8	7.6	7.0
320-340	3.9	3.0	2.2	.1	.1							9.3	6.5	5.5
VARIABLE														
CALM	//											3.2	////////////	
TOTALS	31.0	43.8	19.2	2.0	.3			.1				100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	3.8	2.0									7.7	6.8	6.0
020-040	2.1	2.8	.8									5.7	5.6	6.0
050-070	2.0	2.9	1.6									6.4	6.5	6.0
(E) 080-100	2.7	3.6	.4									6.7	5.2	5.0
110-130	3.6	3.3										6.9	4.5	4.0
140-160	2.6	2.1	.6									5.2	5.2	5.0
(S) 170-190	3.3	2.8	1.2									7.3	5.7	5.0
200-220	4.2	3.8	.7									8.7	5.1	5.0
230-250	4.3	5.2	1.4	.1								11.1	6.0	6.0
(W) 260-280	3.6	4.4	1.7	.4	.1							10.2	6.9	6.0
290-310	3.2	4.1	3.1	.2								10.7	7.2	7.0
320-340	3.1	3.6	2.0	.3	.1							9.1	7.0	6.5
VARIABLE														
CALM	//											4.3	//////////	
TOTALS	36.6	42.4	15.5	1.0	.2							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	1.7	.7									5.4	5.1	4.0
020-040	1.4	1.3										2.8	4.5	4.0
050-070	2.0	2.2	.8									5.0	5.6	5.0
(E) 080-100	3.9	1.9										5.8	3.8	4.0
110-130	6.4	.8										7.2	2.7	2.0
140-160	9.2	1.4	.1									10.8	3.3	3.0
(S) 170-190	9.1	3.7	.3									13.1	4.1	4.0
200-220	6.8	4.1	.2									11.1	4.2	4.0
230-250	5.4	2.1	.2									7.8	3.9	3.0
(W) 260-280	3.9	1.9	.4	.1								6.3	4.7	4.0
290-310	2.7	2.2	.3	.1								5.3	5.6	4.5
320-340	2.8	1.1	.4	.1								4.4	4.9	4.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.1	1.6	.6	.1								6.3	4.7	4.0
020-040	2.0	1	.2									3.7	4.7	4.0
050-070	3.1	2.2	.4									5.8	4.8	4.0
(E) 080-100	1.4	.6	.4	.1								2.6	5.2	3.0
110-130	2.3	.2	.2									2.8	3.3	2.0
140-160	2.8	.7										3.4	3.1	2.0
(S) 170-190	4.3	2.7	.2	.1								7.3	4.4	4.0
200-220	8.2	5.6	.7									14.4	4.4	4.0
230-250	5.6	2.8	.1									8.4	4.4	4.0
(W) 260-280	3.1	1.1	.1									4.3	3.8	4.0
290-310	1.2	2.3	.4									4.0	6.0	6.0
320-340	3.4	1.7	.9	.1								6.1	5.3	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	30.8	//////////	
TOTALS	41.5	22.9	4.2	.4								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	4.2	3.3	.9	.1								8.6	5.3	5.0
020-040	2.9	3.3	.5	.0	.0							6.8	5.3	5.0
050-070	2.9	2.4	1.2	.1		.0						6.6	5.8	5.0
(E) 080-100	2.1	1.5	.4	.1								4.1	5.0	4.0
110-130	2.5	1.1	.1									3.6	3.9	4.0
140-160	2.5	.9	.1									3.6	3.9	3.0
(S) 170-190	3.5	2.1	.5	.0								6.1	4.7	4.0
200-220	4.6	3.7	.8	.0								9.1	5.0	4.0
230-250	5.1	3.9	1.0	.1	.0							10.2	5.3	4.0
(W) 260-280	3.2	2.7	.9	.2	.0							7.0	5.8	5.0
290-310	2.7	2.8	1.4	.2				.0				7.2	6.5	6.0
320-340	3.1	2.6	1.0	.2	.1							6.9	5.9	5.0
VARIABLE														
CALM	//											20.2	//////////	
TOTALS	39.3	30.3	8.8	1.0	.1							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.1	2.5	.2									4.8	5.0	5.0
020-040	4.3	7.4	1.3		.1							13.1	5.9	6.0
050-070	3.4	5.2	6.1	.4		.2						15.4	8.2	9.0
(E) 080-100	3.0	2.0	.7	.6								6.3	5.9	5.0
110-130	3.8	2.0	.4									6.1	4.3	4.0
140-160	2.2	2.0	.4									4.6	4.9	5.0
(S) 170-190	2.4	2.5	.7	.1								5.7	5.9	5.5
200-220	4.4	5.2	.4	.1								10.0	5.2	5.0
230-250	4.5	3.8	.8									9.1	5.0	5.0
(W) 260-280	2.4	1.2	.1									3.7	4.3	4.0
290-310	1.8	1.8	.1	.2				.2				4.1	7.1	6.0
320-340	1.2	1.3	.1		.1							2.7	5.7	5.0
VARIABLE														
CALM	//											14.3	////////////	
TOTALS	35.5	36.9	11.3	1.4	.2	.2		.2				100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	2.3	1.0									7.4	4.9	4.0
020-040	3.4	3.1	.5	.2								7.3	5.4	5.0
050-070	1.4	1.2	.9	.1								3.5	6.7	6.0
(E) 080-100	.3	.5	.1									1.0	5.9	6.0
110-130	1.8											1.8	2.3	2.0
140-160	1.4	.6										2.0	3.4	3.0
(S) 170-190	2.5	.8	.2									3.4	3.8	3.0
200-220	5.8	4.0	.3	.1								10.2	4.4	4.0
230-250	5.3	2.4	.5									8.2	4.3	4.0
(W) 260-280	5.4	2.7	.3	.1								8.5	4.5	4.0
290-310	2.0	1.8	1.4	.1								5.4	6.7	6.0
320-340	3.3	2.2	.5	.1								6.1	5.2	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	35.1	//////////	
TOTALS	36.8	21.6	5.7	.7								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.2	2.2	.8	.3								9.5	4.6	4.0
020-040	3.1	4.6	.2	.2								8.2	5.6	6.0
050-070	1.3	1.8	.5	.1								3.8	5.9	6.0
(E) 080-100	.2	.5	.3									1.1	7.3	8.0
110-130	1.1											1.1	3.2	4.0
140-160	1.4	.8										2.2	4.3	4.0
(S) 170-190	3.0	1.2										4.2	3.7	4.0
200-220	2.9	2.7	.2									5.8	4.8	4.5
230-250	4.4	3.5	.3									8.3	4.8	4.0
(W) 260-280	4.0	2.8	.4									7.2	4.7	4.0
290-310	1.7	3.1	1.3	.2								6.3	7.0	6.0
320-340	2.5	1.9	.2	.2								4.8	5.4	4.0
VARIABLE														
CALM	//											37.6	//////////	
TOTALS	31.8	25.1	4.2	1.0								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	4.1	.5	.4								8.5	5.6	5.0
020-040	3.0	4.6	1.5	.3								9.5	6.4	6.0
050-070	1.5	3.2	.9	.1								5.7	6.7	7.0
(E) 080-100	1.2	.4	.3									1.9	5.2	4.0
110-130	1.0	.4										1.4	3.5	3.0
140-160	1.5	.8	.1									2.4	4.2	3.0
(S) 170-190	2.3	1.8	.3									4.4	4.8	4.0
200-220	2.8	3.8	.2									6.8	5.0	5.0
230-250	4.3	2.8	.4									7.5	4.5	4.0
(W) 260-280	2.9	4.1	.9	.2								8.1	5.8	5.0
290-310	1.5	4.6	1.5	.4								8.1	7.6	7.0
320-340	2.9	3.5	1.0	.1								7.5	5.8	6.0
VARIABLE														
CALM	//											28.3	//////////	
TOTALS	28.3	34.1	7.6	1.5								100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	5.1	2.4	.5								10.9	7.3	7.0
020-040	2.5	4.9	3.0									10.4	7.4	8.0
050-070	2.4	4.0	2.4	.3								9.0	7.6	8.0
(E) 080-100	1.0	1.7	.4	.1	.1							3.3	6.8	6.0
110-130	1.2	1.5		.1								2.8	5.0	5.0
140-160	1.2	1.4	.1	.1								2.8	5.8	5.5
(S) 170-190	.9	2.7	.8	.2								4.5	7.3	7.0
200-220	2.2	5.7	1.2	.8								9.8	7.2	7.0
230-250	3.2	4.3	3.1	.4								11.1	7.3	6.0
(W) 260-280	2.0	2.3	1.8	1.0								7.1	8.1	6.5
290-310	2.0	3.4	6.1	1.0	.2							12.8	9.2	10.0
320-340	1.7	2.9	4.7	.9	.2							10.4	9.5	10.0
VARIABLE														
CALM	//											5.1	//////////	
TOTALS	23.2	39.9	26.0	5.4	.5							100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	2.4	1.1	.5								7.5	6.1	5.0
020-040	2.6	4.1	1.1	.6								8.4	7.0	6.0
050-070	1.3	3.3	2.2	.1								6.9	8.0	8.0
(E) 080-100	1.2	2.2	.9									4.2	6.8	7.0
110-130	.2	3.0	.6									3.9	7.1	7.0
140-160	.8	2.4	.2									3.3	6.2	6.0
(S) 170-190	1.3	2.2	1.3	.2								4.9	7.2	7.0
200-220	.9	3.5	3.0	.5								8.0	8.7	8.0
230-250	2.4	4.9	4.7	1.1								13.1	8.6	9.0
(W) 260-280	2.3	3.7	4.0	1.0								10.9	8.8	8.0
290-310	2.5	4.1	4.8	1.3	.2							12.9	8.9	9.0
320-340	2.3	4.2	4.7	1.7	.1							13.0	9.3	10.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	3.4	.8	.1								6.9	5.9	6.0
020-040	2.0	3.1	.9	.2								6.2	6.3	6.0
050-070	1.2	2.6	1.0	.3								5.1	7.5	7.0
(E) 080-100	2.3	3.5	1.0									6.8	6.3	6.0
110-130	2.6	2.7										5.3	4.8	5.0
140-160	1.5	2.7	.2									4.4	5.5	5.0
(S) 170-190	1.7	4.2	.5	.3								6.8	6.6	6.0
200-220	2.5	4.8	1.9	.2								9.5	6.8	6.0
230-250	1.8	4.5	4.0	.1								10.4	7.8	8.0
(W) 260-280	2.4	4.1	2.4	.3								9.1	7.5	8.0
290-310	2.5	5.5	3.8	.8	.4							12.9	8.3	8.0
320-340	2.3	3.5	3.5	1.0	.1							10.4	8.3	9.0
VARIABLE														
CALM	//											6.2	//////////	
TOTALS	25.4	44.6	20.0	3.3	.5							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	2.4	1.0									4.7	6.6	7.0
020-040	1.6	2.0	.5	.1								4.3	6.0	6.0
050-070	3.0	1.5	.9	.1								5.5	5.6	4.0
(E) 080-100	3.2	1.2	.2	.1								4.7	4.2	3.0
110-130	3.7	.8	.2									4.6	3.3	2.0
140-160	5.8	1.5										7.3	3.2	3.0
(S) 170-190	8.4	5.2	.6									14.2	4.3	4.0
200-220	4.5	4.0	.1	.1								8.7	4.7	4.0
230-250	3.8	3.7	.6	.1								8.2	5.4	5.0
(W) 260-280	3.3	2.8	.4	.1								6.7	5.0	4.5
290-310	2.3	3.1	1.9	.4								7.7	7.1	6.0
320-340	2.3	2.3	.5		.1							5.2	5.7	5.0
VARIABLE														
CALM	//											18.2	////////////	
TOTALS	43.3	30.5	6.9	1.0	.1							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.9	2.9	.9	.3								8.0	5.5	5.0
020-040	2.5	2.0	.8	.1								5.4	5.4	5.0
050-070	2.7	1.6	.8	.1								5.2	5.5	4.0
(E) 080-100	1.3	.6	.2	.1								2.3	5.1	2.0
110-130	2.3	.2		.2								2.7	4.0	3.0
140-160	2.8	.2										3.0	2.4	2.0
(S) 170-190	4.0	2.6	.8									7.3	4.7	4.0
200-220	4.4	5.6	.3	.1								10.4	5.4	5.0
230-250	5.5	3.3	.8	.1	.1							9.8	5.0	4.0
(W) 260-280	2.8	2.2	.5	.1								5.6	5.1	4.5
290-310	2.4	3.0	1.2	.1								6.7	6.5	6.0
320-340	1.9	1.3	.8		.1							4.1	6.1	5.0
VARIABLE														
CALM	//											29.7	//////////	
TOTALS	36.5	25.5	7.1	1.2	.2							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	3.1	1.0	.3								7.9	5.8	5.0
020-040	2.6	3.6	1.1	.2								7.5	6.3	6.0
050-070	1.8	2.4	1.2	.2								5.6	6.8	6.0
(E) 080-100	1.3	1.3	.4	.0	.0							3.2	5.9	6.0
110-130	1.7	1.1	.1	.0								2.9	4.5	4.0
140-160	2.0	1.3	.1	.0								3.4	4.3	4.0
(S) 170-190	3.0	2.6	.6	.1								6.2	5.2	5.0
200-220	3.2	4.3	.9	.2								8.6	5.9	6.0
230-250	3.8	3.7	1.8	.2	.0							9.6	6.2	6.0
(W) 260-280	3.1	3.1	1.3	.3								7.9	6.4	6.0
290-310	2.1	3.6	2.8	.5	.1							9.1	7.9	8.0
320-340	2.4	2.7	2.0	.5	.1							7.7	7.5	7.0
VARIABLE														
CALM	//											20.4	//////////	
TOTALS	30.5	32.8	13.3	2.5	.2							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.5	2.6	.8	.3								6.2	6.2	6.0
020-040	2.1	6.0	3.2	1.8								13.0	8.8	8.0
050-070	3.4	6.0	4.4	1.5								15.3	8.3	8.0
(E) 080-100	2.7	4.0	1.8	.4								8.9	6.9	7.0
110-130	1.5	1.8	.7	.4								4.4	6.8	5.0
140-160	1.9	2.6	.4	.1								5.1	5.6	5.0
(S) 170-190	3.7	3.8	.7									8.2	5.1	5.0
200-220	2.9	2.9	.8	.1								6.7	5.4	5.0
230-250	3.2	1.9	.8		.1							6.0	5.8	4.0
(W) 260-280	1.8	1.5	.8	.1								4.2	6.4	5.0
290-310	1.2	1.0	.5	.1								2.9	6.1	6.0
320-340	1.5	1.5	.3									3.3	5.3	5.0
VARIABLE														
CALM	//											15.8	//////////	
TOTALS	28.4	35.6	15.2	4.8	.1							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 730

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	2.3	1.2	.7								7.6	6.6	6.0
020-040	1.2	1.9	.8	.2								4.1	7.0	6.0
050-070	2.3	2.4	.7									5.4	5.4	5.0
(E) 080-100	.6	.4	.7	.2								1.9	7.5	8.0
110-130	.7	.3	.2									1.2	5.5	4.0
140-160	1.3	.4										1.8	3.8	3.0
(S) 170-190	2.8	3.0	.7									6.4	5.2	5.0
200-220	4.8	3.9	1.3	.1								10.1	5.2	5.0
230-250	3.2	2.3	.7									6.2	4.8	4.0
(W) 260-280	4.4	2.7	2.4	.2								9.8	6.3	5.0
290-310	2.0	5.9	3.8	.3	.2	.3						12.6	8.5	8.0
320-340	2.9	3.7	1.2		.2							8.0	6.4	5.0
VARIABLE														
CALM	//											24.9	//////////	
TOTALS	29.5	29.2	13.7	1.7	.4	.3						100.0	4.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	2.0	.9									7.1	4.9	4.0
020-040	1.2	1.9	1.0	.3								4.4	7.2	6.0
050-070	1.8	3.1	.7									5.6	6.2	6.0
(E) 080-100	1.4	.7	.7									2.8	5.9	4.0
110-130	.8	.7	.1									1.6	4.8	4.5
140-160	1.0	.6										1.6	3.9	2.5
(S) 170-190	2.0	1.4	.3									3.8	4.7	4.0
200-220	3.4	4.1	1.4									9.0	5.9	6.0
230-250	4.8	3.2	.8	.1	.1							9.0	5.0	4.0
(W) 260-280	4.6	1.8	2.3	.1								8.8	6.0	4.0
290-310	2.7	5.3	3.1	1.1	.4	.1						12.8	8.7	8.0
320-340	2.2	3.8	1.4	.6								8.0	7.0	7.0
VARIABLE														
CALM	//											25.7	//////////	
TOTALS	30.1	28.6	12.7	2.2	.5	.1						100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	2.7	1.0	.3	.1							7.9	5.9	5.0
020-040	1.8	2.2	1.1									5.1	6.0	5.0
050-070	2.1	2.4	.8	.1								5.4	6.0	5.0
(E) 080-100	1.2	1.2	.8	.2								3.4	7.4	8.0
110-130	1.1	.4	.1									1.7	4.7	4.0
140-160	.4	.9	.1									1.4	5.9	6.0
(S) 170-190	1.7	1.7	.6	.1								4.0	6.1	5.0
200-220	3.4	2.6	1.0									7.0	5.4	5.0
230-250	4.7	3.9	1.4	.3								10.3	5.7	5.0
(W) 260-280	3.8	4.0	2.0	.6								10.3	6.5	5.0
290-310	2.8	5.7	2.8	1.1	.3	.2						12.9	8.5	8.0
320-340	2.1	3.7	1.3	.4								7.6	6.8	6.0
VARIABLE														
CALM	//											22.9	//////////	
TOTALS	28.9	31.4	13.0	3.1	.4	.2						100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	3.3	3.2	.8	.1							9.7	8.7	8.0
020-040	1.8	1.1	1.6	.2								4.7	7.1	5.0
050-070	2.2	2.1	2.8									7.1	7.3	7.0
(E) 080-100	.8	2.3	.8	.3								4.2	7.9	7.5
110-130	1.0	1.1	.8	.1								3.0	7.3	8.0
140-160	1.2	1.4	.3									3.0	5.6	5.0
(S) 170-190	1.1	1.9	.3	.1	.1	.1						3.7	7.8	8.0
200-220	.8	3.1	2.2	.1								6.2	8.0	8.0
230-250	1.6	6.8	2.8	.7	.1							11.9	8.0	8.0
(W) 260-280	2.8	4.7	3.0	1.7								12.1	8.5	8.0
290-310	2.2	4.9	6.1	2.1	.3							15.7	9.9	10.0
320-340	1.6	4.8	4.2	1.1	.2	.1						12.0	9.3	9.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.8	//////////	//////////
TOTALS	19.3	37.5	28.1	7.2	.8	.2						100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	2.4	2.0	.6								6.3	8.4	8.0
020-040	.8	1.4	2.1									4.3	8.5	9.0
050-070	.9	1.7	1.0									3.6	7.4	8.0
(E) 080-100	1.2	1.8	1.8	.1	.1							5.0	8.1	8.0
110-130	1.1	2.3	.7									4.1	6.9	7.0
140-160	1.3	1.3	.3									3.0	5.3	6.0
(S) 170-190	1.0	1.1	1.2	.2								3.6	7.8	6.0
200-220	1.1	2.6	3.2	.4								7.3	8.9	9.5
230-250	1.8	5.7	3.2	1.0	.1							11.8	8.7	8.0
(W) 260-280	2.7	4.8	5.3	1.6	.3							14.7	9.1	9.0
290-310	2.1	5.8	8.0	2.4	.6							18.9	10.2	10.0
320-340	1.7	4.2	5.1	2.4	.6	.1						14.1	10.7	10.0
VARIABLE														
CALM	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.6	2.7	2.3	.4								7.0	8.3	9.0
020-040	.6	1.4	.6	.1								2.7	7.6	7.5
050-070	.2	1.9	1.1	.1								3.3	8.6	8.0
(E) 080-100	1.4	2.8	1.4	.1								5.8	7.2	6.5
110-130	1.7	2.1	.7									4.4	6.0	6.0
140-160	2.6	1.1	.3									4.0	4.4	4.0
(S) 170-190	2.7	2.2	.8	.2								5.9	5.7	5.0
200-220	2.6	2.4	2.0	.3								7.3	7.1	6.0
230-250	3.9	4.9	2.3	.6	.1							11.8	6.9	6.0
(W) 260-280	3.1	5.1	2.6	.6	.2							11.6	7.6	7.0
290-310	2.4	6.4	6.6	2.0	.4							17.9	9.5	10.0
320-340	2.0	4.2	4.4	1.3	.6	.1	.1					12.8	9.7	10.0
VARIABLE														
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.8	3.7	2.1	.2								7.8	7.5	8.0
020-040	1.4	.9	.7									3.0	5.7	5.0
050-070	1.7	1.9	.9	.2								4.7	6.7	6.0
(E) 080-100	1.3	1.1	.8	.2								3.4	6.5	5.0
110-130	1.3	1.3	1.1									3.8	6.2	6.0
140-160	3.8	1.4	.4									5.7	4.0	3.0
(S) 170-190	4.9	2.6	.7	.3								8.4	5.2	4.0
200-220	4.4	3.1	1.4	.2								9.2	5.7	5.0
230-250	5.2	3.0	.2	.1								8.6	4.4	4.0
(W) 260-280	5.1	2.2	2.8	.2								10.3	6.4	5.0
290-310	2.7	5.0	3.6	.8	.1							12.1	8.2	8.0
320-340	2.8	1.8	2.7	.7	.1							8.0	8.0	9.0
VARIABLE														
CALM	//											15.0	////////////	
TOTALS	36.4	28.0	17.4	2.9	.2							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	4.2	.9	.3								7.3	6.9	6.5
020-040	1.4	.6	.8	.3	.2							3.3	8.3	8.5
050-070	1.6	1.6	1.0									4.1	6.1	6.0
(E) 080-100	1.3	.4	.7	.2								2.7	7.0	5.0
110-130	1.0	.7	.1	.1								1.9	5.1	4.0
140-160	1.3	.9	.3		.1							2.7	5.5	4.5
(S) 170-190	4.0	3.7	.9	.1								8.7	5.2	5.0
200-220	5.6	3.8	1.0									10.3	5.0	4.0
230-250	4.4	2.3	.8	.2								7.8	5.0	4.0
(W) 260-280	3.1	2.8	2.1	.4								8.4	7.2	7.0
290-310	2.4	5.9	3.2	.8	.1	.2						12.7	8.1	8.0
320-340	2.3	3.3	2.0	.4	.3							8.4	7.9	6.0
VARIABLE														
CALM	//////////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.7	//////////	
TOTALS	30.3	30.2	13.8	2.8	.7	.2						100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.5	2.9	1.7	.4	.0							7.6	7.2	7.0
020-040	1.3	1.4	1.1	.2	.0							4.0	7.2	6.0
050-070	1.6	2.1	1.1	.1								4.9	6.6	7.0
(E) 080-100	1.2	1.3	.9	.2	.0							3.7	7.3	7.0
110-130	1.1	1.1	.5	.0								2.7	6.1	6.0
140-160	1.6	1.0	.2		.0							2.9	4.7	4.0
(S) 170-190	2.5	2.2	.7	.1	.0	.0						5.6	5.7	5.0
200-220	3.3	3.2	1.7	.2								8.3	6.2	6.0
230-250	3.7	4.0	1.5	.4	.1							9.7	6.3	6.0
(W) 260-280	3.7	3.5	2.8	.7	.1							10.7	7.4	7.0
290-310	2.4	5.6	4.6	1.3	.3	.1						14.4	9.1	8.0
320-340	2.2	3.7	2.8	.9	.3	.0	.0					9.9	8.6	8.0
VARIABLE														
CALM	//											15.7	//////////	
TOTALS	27.1	32.0	19.6	4.5	.8	.1						100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.1	2.7	2.6	.9								7.4	9.3	9.0
020-040	1.9	3.3	4.6	.8	.1							10.7	9.1	10.0
050-070	2.7	6.2	6.3	.5								15.6	8.2	9.0
(E) 080-100	2.1	2.5	4.0	.8								9.4	8.7	10.0
110-130	1.8	3.3	2.6	.2								8.0	7.6	7.5
140-160	1.6	1.9	.6		.1							4.2	6.2	6.0
(S) 170-190	2.6	3.7	1.7	.3	.1							8.4	7.0	6.0
200-220	2.4	4.2	2.5	.2								9.4	7.3	7.0
230-250	1.1	3.3	.6	.3	.1							5.5	7.1	6.0
(W) 260-280	.8	2.9	1.5	.6								5.7	8.2	7.0
290-310	.5	1.5	1.0	.8	.1							3.9	9.9	9.5
320-340	.9	2.4	1.3	.3								4.9	8.0	8.0
VARIABLE														
CALM	//											6.8	//////////	
TOTALS	19.5	37.9	29.3	5.7	.5							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	4.4	.8	.5								8.8	6.3	6.0
020-040	2.0	1.7	.2									4.0	4.8	4.0
050-070	1.5	.6	.5									2.7	5.6	4.0
(E) 080-100	.9	.2	.5									1.6	6.1	4.0
110-130	.5	.5	.6	.1		.1						1.9	8.3	7.0
140-160	1.5	.5	.4									2.5	5.1	3.0
(S) 170-190	1.2	.9	.5	.1								2.7	5.9	6.0
200-220	4.5	3.3	2.2	.3								10.3	6.5	5.0
230-250	4.6	2.6	1.3	.3								8.8	5.6	4.0
(W) 260-280	4.2	3.5	2.4	.9	.4	.1						11.5	7.7	6.0
290-310	3.4	5.7	3.8	1.4	.8	.1						15.2	9.0	8.0
320-340	2.5	4.1	2.3	.9								9.7	7.7	7.0
VARIABLE														
CALM	//											20.3	//////////	
TOTALS	29.9	28.0	15.5	4.5	1.2	.3						100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	3.8	.5									6.7	5.7	6.0
020-040	2.6	3.0	1.3	.1								7.0	6.1	6.0
050-070	1.9	1.0	.3									3.2	4.9	4.0
(E) 080-100	.4	.4	.8									1.6	7.3	7.0
110-130	.6	1.0	.3									1.9	5.9	6.0
140-160	1.6	.3	.1	.1	.1							2.3	4.9	3.0
(S) 170-190	1.7	1.1	.4	.1								3.3	5.7	4.0
200-220	3.4	2.0	1.4	.2	.1							7.2	6.3	5.0
230-250	3.4	2.5	1.7	.4								8.1	6.6	5.0
(W) 260-280	4.4	4.7	2.3	1.0	.3							12.7	7.4	6.0
290-310	4.0	6.1	4.3	1.2	.3	.1						16.0	8.3	8.0
320-340	2.7	2.9	2.7	.6	.4	.1						9.5	8.2	7.0
VARIABLE														
CALM	//											20.5	//////////	
TOTALS	29.1	28.8	16.1	3.7	1.2	.2						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	3.4	1.1	.2	.1							8.0	6.3	6.0
020-040	1.9	2.4	1.3	.1								5.7	6.3	6.0
050-070	2.3	1.9	.3	.1								4.6	5.2	5.0
(E) 080-100	.5	.9	.4									1.8	6.8	6.0
110-130	.6	.5	.5	.1								1.8	7.6	8.0
140-160	1.6	.1										1.7	2.7	3.0
(S) 170-190	.9	1.2	.6	.2								2.9	6.9	8.0
200-220	3.2	3.8	1.5	.6								9.1	6.6	6.0
230-250	3.9	3.5	1.3	.9								9.6	6.4	5.0
(W) 260-280	3.7	3.9	2.2	.5	.3	.1						10.6	7.4	6.0
290-310	4.1	5.3	4.7	1.1	.3							15.5	8.4	8.0
320-340	3.4	3.5	2.4	.5		.4						10.3	7.9	7.0
VARIABLE														
CALM	//											18.3	//////////	
TOTALS	29.2	30.4	16.3	4.3	.7	.5						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	4.6	2.4	.6	.2	.1						10.1	8.4	8.0
020-040	1.9	2.8	1.2	.1								6.0	6.6	6.0
050-070	1.0	2.2	1.4									4.5	7.5	7.0
(E) 080-100	1.2	1.3	.8	.3	.1							3.7	7.6	6.0
110-130	.8	1.4	.3									2.5	6.0	5.0
140-160	.5	1.0	.3									1.8	5.9	6.0
(S) 170-190	1.2	1.3	.4	.1								3.0	6.3	5.5
200-220	1.8	3.1	1.6	.8	.2							7.5	8.2	8.0
230-250	1.6	5.2	3.2	.3	.1							10.4	8.1	8.0
(W) 260-280	1.8	4.6	4.5	1.3	.5							12.8	9.8	9.0
290-310	2.5	5.4	5.5	2.6	1.4							17.3	10.5	10.0
320-340	3.1	4.6	4.3	.9	.9							13.8	9.1	9.0
VARIABLE														
CALM	//											6.6	//////////	
TOTALS	19.6	37.5	25.9	7.0	3.4	.1						100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	3.4	3.5	.3								8.6	8.5	8.0
020-040	1.9	2.2	1.4	.3								5.8	7.0	6.0
050-070	1.2	1.4	1.1	.1								3.8	6.9	6.0
(E) 080-100	.9	.9	.8	.2								2.7	7.8	8.0
110-130	.9	1.0	1.2									3.0	7.3	7.5
140-160	.5	1.2	.3									2.0	6.6	6.0
(S) 170-190	1.1	1.4	.9									3.3	6.8	7.0
200-220	1.1	2.3	1.9	.9	.2							6.3	9.6	9.0
230-250	1.7	3.7	3.9	.9								10.1	8.9	8.5
(W) 260-280	2.0	6.2	5.8	1.9	.5	.2	.1					16.9	10.1	10.0
290-310	1.8	5.9	7.8	4.2	.3	.5						20.6	11.4	12.0
320-340	2.0	3.7	5.2	2.3	.9							14.0	10.5	10.0
VARIABLE														
CALM	//											2.8	//////////	
TOTALS	16.4	33.3	33.8	11.1	1.9	.7	.1					100.0	9.2	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	3.9	2.3									9.0	6.9	7.0
020-040	2.3	1.4	.5									4.2	5.0	4.0
050-070	1.5	1.6	.5									3.7	6.0	6.0
(E) 080-100	1.3	1.7	.6	.6								4.3	7.6	6.0
110-130	.9	.6	.5									2.0	6.4	6.0
140-160	.9	1.0	.2	.1								2.2	6.1	5.5
(S) 170-190	1.4	.8	.9	.1	.1							3.2	6.9	5.5
200-220	2.5	4.1	1.7	.8	.1							9.1	7.6	6.0
230-250	3.3	4.1	2.7	.2								10.3	7.0	6.0
(W) 260-280	2.8	6.0	3.7	.3	.6	.1	.1					13.7	8.7	8.0
290-310	2.9	8.0	6.9	2.8	1.0	.3						21.8	10.2	10.0
320-340	3.1	3.4	4.0	1.3	.2							12.0	8.6	8.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	4.4	////	////
TOTALS	25.8	36.6	24.5	6.2	2.0	.4	.1					100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.5	4.0	1.3	.1								7.8	6.5	6.0
020-040	2.7	2.6	.1									5.4	4.8	4.5
050-070	1.4	1.3	.2									2.9	4.9	5.0
(E) 080-100	1.8	1.1	.2	.3	.3							3.8	7.3	5.0
110-130	.5	.8	.4	.1								1.8	7.2	6.0
140-160	2.5	.2	.2									2.9	3.2	3.0
(S) 170-190	3.8	1.2	.6	.1								5.7	5.0	4.0
200-220	3.5	4.5	2.0	.5	.1							10.8	7.1	6.0
230-250	5.4	3.1	1.1	.1	.1							9.8	5.2	4.0
(W) 260-280	4.3	4.5	1.9	.6	.4							11.8	7.2	6.0
290-310	2.5	5.9	3.0	2.2	.4	.1						14.1	9.3	8.0
320-340	2.8	3.2	1.8	.4	.5							8.8	7.9	7.0
VARIABLE														
CALM	//											14.4	//////////	
TOTALS	33.7	32.4	12.8	4.4	1.8	.1						100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.9	3.4	1.6	.4								9.4	6.2	6.0
020-040	1.8	2.0	.5									4.4	5.5	5.0
050-070	1.0	.8	.2									1.9	4.9	4.5
(E) 080-100	1.0	1.7	.3	.1	.3							3.4	7.2	6.0
110-130	.6	.1	.3	.1								1.2	6.9	4.0
140-160	1.1	.3	.8									2.2	5.7	4.5
(S) 170-190	2.3	1.5	.8									4.5	5.6	4.5
200-220	3.9	4.6	1.3	.4	.1							10.3	6.4	6.0
230-250	4.6	3.3	1.5	.4	.1							10.0	5.9	5.0
(W) 260-280	2.8	2.8	2.2	.6	.2							8.6	7.9	7.0
290-310	2.9	4.2	4.3	1.7	.6	.1						13.9	9.6	9.0
320-340	3.0	3.5	2.7	.3								9.6	7.4	6.0
VARIABLE														
CALM	//											20.6	////////	
TOTALS	28.9	28.2	16.5	4.0	1.3	.1						100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.7	3.9	1.7	.3	.0	.0						8.5	6.9	6.0
020-040	2.2	2.3	.8	.1								5.3	5.9	5.0
050-070	1.5	1.3	.6	.0								3.4	5.9	5.0
(E) 080-100	1.0	1.0	.6	.2	.1							2.9	7.3	6.0
110-130	.7	.7	.5	.1		.0						2.0	7.0	6.0
140-160	1.3	.6	.3	.0	.0							2.2	5.0	4.0
(S) 170-190	1.7	1.2	.6	.1	.0							3.6	6.0	5.0
200-220	3.0	3.5	1.7	.6	.1							8.8	7.2	6.0
230-250	3.6	3.5	2.1	.4	.0							9.6	6.8	6.0
(W) 260-280	3.3	4.5	3.1	.9	.4	.1	.0					12.3	8.4	8.0
290-310	3.0	5.8	5.0	2.1	.6	.2						16.8	9.7	9.0
320-340	2.8	3.6	3.2	.9	.4	.1						11.0	8.6	8.0
VARIABLE														
CALM	//											13.5	////////////	
TOTALS	26.8	31.9	20.2	5.7	1.6	.4						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.4	4.0	1.8	.1								8.3	7.0	8.0
020-040	4.4	5.0	3.2	.2								12.8	6.7	6.0
050-070	3.4	3.2	2.5	.2								9.3	6.9	6.0
(E) 080-100	1.9	2.7	1.8	.8	.5							7.8	8.7	7.5
110-130	1.3	2.7	2.7	.3								7.1	8.4	8.0
140-160	2.0	2.6	1.7	.1	.1							6.5	6.9	6.0
(S) 170-190	1.6	2.6	2.4	.6	.1							7.4	8.7	8.0
200-220	2.8	4.6	3.4	.8								11.7	8.1	8.0
230-250	2.1	3.2	2.2	.6								8.1	7.8	8.0
(W) 260-280	1.1	2.5	1.9	.2	.1		.1					5.9	8.7	8.0
290-310	1.9	1.3	.8	.4								4.4	7.1	6.0
320-340	2.5	.8	.3		.1							3.8	4.8	4.0
VARIABLE														
CALM	//											6.9	//////////	
TOTALS	27.4	35.2	24.7	4.3	.9		.1					100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 948

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.1	3.5	1.6	.3	.0	.0						8.6	6.6	6.0
020-040	1.9	2.3	.9	.2	.0							5.3	6.4	6.0
050-070	1.9	2.2	1.0	.2	.0	.0	.0					5.2	6.6	6.0
(E) 080-100	1.7	1.8	.8	.1	.0							4.4	6.4	6.0
110-130	1.7	1.2	.3	.0		.0						3.3	5.1	4.0
140-160	2.0	1.2	.2	.0	.0							3.4	4.6	4.0
(S) 170-190	2.8	2.3	.7	.1	.0	.0	.0					5.9	5.4	5.0
200-220	3.7	3.6	1.3	.3	.0	.0						8.9	6.1	5.0
230-250	3.7	3.8	1.7	.3	.1	.0						9.6	6.3	6.0
(W) 260-280	3.0	3.3	1.8	.5	.1	.0	.0					8.9	7.3	6.0
290-310	2.6	4.1	3.2	1.1	.3	.1	.0	.0				11.3	8.7	8.0
320-340	2.8	3.5	2.5	.6	.1	.0	.0					9.6	7.7	7.0
VARIABLE		.0										.0	9.0	9.0
CALM	//////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	3.7	1.7	.4	.0							8.0	7.2	7.0
020-040	2.5	5.2	2.4	.6	.1							10.7	7.6	7.0
050-070	3.2	6.8	4.7	.9	.2	.1	.0					15.9	8.3	8.0
(E) 080-100	3.3	4.6	2.8	.7	.2							11.6	7.6	7.0
110-130	2.6	2.4	1.2	.2								6.4	6.2	6.0
140-160	2.1	1.8	.6	.1	.0							4.7	5.7	5.0
(S) 170-190	2.3	2.4	1.2	.3	.1		.0					6.2	6.7	6.0
200-220	2.8	3.0	1.2	.3	.0							7.3	6.4	6.0
230-250	2.5	2.6	.9	.2	.0							6.2	6.1	6.0
(W) 260-280	1.5	1.6	.7	.2	.1		.0					4.1	6.8	6.0
290-310	1.1	1.3	.5	.2	.1			.0				3.3	7.4	6.0
320-340	1.6	1.7	.8	.2	.0							4.3	6.7	6.0
VARIABLE														
CALM	//											11.4	//////////	
TOTALS	27.7	37.1	18.7	4.3	.8	.1						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS: 10687

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT      DDDDDDDD
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      DDDDDDDDD
PP      PP     AA    AA     RR     RR        TT          DD      DD
PP      PP     AA    AA     RR     RR        TT          DD      DD
PPPPPPPPP      AA    AA     RRRRRRRRR       TT          DD      DD
PPPPPPPP       AAAAAAAAAA     RRRRRRRR      TT          DD      DD
PP             AAAAAAAAAA     RR    RR      TT          DD      DD
PP             AA    AA     RR     RR       TT          DD      DD
PP             AA    AA     RR      RR      TT          DDDDDDDDD
PP             AA    AA     RR       RR     TT          DDDDDDDDD
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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.
ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURRED, OR TOTALLY OBSCURRED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.3	48.5	49.4	49.7	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.2
GE 20000	54.3	55.5	56.3	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.2
GE 18000	54.5	55.7	56.6	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.4
GE 16000	54.5	55.7	56.6	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.4
GE 14000	54.9	56.1	57.0	57.3	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8
GE 12000	55.3	56.5	57.3	57.6	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.3
GE 10000	59.0	60.2	61.1	61.4	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.3
GE 9000	59.1	60.4	61.3	61.6	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5
GE 8000	62.9	64.2	65.4	66.2	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2
GE 7000	63.9	65.5	66.7	67.5	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.5
GE 6000	64.2	66.0	67.3	68.2	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.1
GE 5000	64.9	67.3	68.6	69.5	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.4
GE 4500	68.0	70.8	72.3	73.2	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.3
GE 4000	69.1	72.4	74.1	75.2	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.7
GE 3500	71.2	74.7	76.6	78.0	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.5
GE 3000	72.6	76.6	78.5	79.9	81.0	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.6
GE 2500	73.3	77.7	79.9	81.3	82.4	82.5	82.6	82.7	82.7	82.8	82.8	82.9	83.0	83.0	83.1	83.2
GE 2000	74.1	78.8	81.2	82.6	84.1	84.2	84.4	84.5	84.5	84.6	84.6	84.7	84.8	84.8	84.9	85.1
GE 1800	74.4	79.1	81.6	83.0	84.5	84.6	84.8	84.9	84.9	85.1	85.1	85.2	85.3	85.3	85.4	85.5
GE 1500	75.3	80.1	82.8	84.2	85.7	85.8	86.0	86.1	86.1	86.2	86.2	86.3	86.5	86.5	86.6	86.7
GE 1200	75.5	80.5	83.3	84.9	86.5	86.7	86.9	87.0	87.0	87.2	87.2	87.3	87.4	87.4	87.5	87.6
GE 1000	75.6	80.6	83.4	85.1	86.8	87.0	87.2	87.4	87.4	87.6	87.6	87.7	87.8	87.8	88.0	88.1
GE 900	75.7	80.9	83.7	85.3	87.0	87.2	87.4	87.7	87.7	88.0	88.0	88.1	88.2	88.2	88.3	88.4
GE 800	76.2	81.4	84.2	85.9	88.0	88.2	88.6	88.9	88.9	89.1	89.1	89.2	89.5	89.6	89.7	89.8
GE 700	76.2	81.4	84.4	86.1	88.2	88.4	88.8	89.1	89.1	89.4	89.4	89.5	89.7	89.8	89.9	90.0
GE 600	76.2	81.4	84.4	86.1	88.3	88.6	89.0	89.6	89.6	89.9	90.0	90.1	90.3	90.4	90.5	90.6
GE 500	76.2	81.4	84.4	86.1	89.0	89.6	90.1	91.2	91.3	91.6	92.3	92.4	92.6	92.7	92.8	92.9
GE 400	76.2	81.4	84.4	86.1	89.2	89.9	91.0	92.3	92.4	92.9	93.7	93.8	94.0	94.1	94.2	94.3
GE 300	76.2	81.4	84.4	86.2	89.9	90.5	92.3	94.0	94.3	94.9	95.7	95.8	96.1	96.2	96.3	96.5
GE 200	76.2	81.4	84.4	86.2	90.0	90.6	92.4	94.3	95.1	95.8	96.8	96.9	97.3	97.4	97.5	98.1
GE 100	76.2	81.4	84.4	86.2	90.0	90.6	92.4	94.3	95.1	95.8	96.8	97.0	97.4	97.8	98.2	99.6
GE 000	76.2	81.4	84.4	86.2	90.0	90.6	92.4	94.3	95.1	95.8	96.8	97.0	97.4	97.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	48.3	49.7	49.9	50.3	50.4	50.5	50.9	50.9	51.1	51.2	51.2	51.2	51.3	51.3	51.3
GE 20000	52.4	53.8	55.2	55.4	55.8	55.9	56.0	56.3	56.3	56.6	56.7	56.7	56.7	56.8	56.8	56.8
GE 18000	52.8	54.2	55.6	55.8	56.2	56.3	56.5	56.8	56.8	57.0	57.1	57.1	57.1	57.2	57.2	57.2
GE 16000	53.0	54.4	55.8	56.0	56.5	56.6	56.7	57.0	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.4
GE 14000	53.3	54.7	56.1	56.3	56.8	56.9	57.0	57.3	57.3	57.5	57.6	57.6	57.6	57.7	57.7	57.7
GE 12000	53.4	54.9	56.3	56.6	57.0	57.1	57.2	57.5	57.5	57.7	57.8	57.8	57.8	58.0	58.0	58.0
GE 10000	56.3	57.8	59.2	59.5	59.9	60.0	60.1	60.4	60.4	60.6	60.8	60.8	60.8	60.9	60.9	60.9
GE 9000	56.5	58.0	59.4	59.6	60.0	60.1	60.2	60.5	60.5	60.8	60.9	60.9	60.9	61.0	61.0	61.0
GE 8000	60.5	62.2	63.8	64.0	64.4	64.5	64.6	64.9	64.9	65.2	65.3	65.3	65.3	65.4	65.4	65.4
GE 7000	61.3	63.1	64.7	64.9	65.4	65.5	65.6	65.9	65.9	66.1	66.2	66.2	66.2	66.3	66.3	66.3
GE 6000	62.0	63.9	65.5	65.7	66.1	66.2	66.5	66.8	66.8	67.0	67.1	67.1	67.1	67.2	67.2	67.2
GE 5000	63.0	64.8	66.5	66.7	67.1	67.2	67.4	67.7	67.7	68.2	68.3	68.3	68.3	68.4	68.4	68.4
GE 4500	65.5	67.3	69.0	69.6	70.1	70.2	70.4	70.8	70.8	71.2	71.3	71.3	71.3	71.4	71.4	71.4
GE 4000	68.2	70.4	72.7	73.5	74.4	74.5	74.7	75.1	75.1	75.5	75.6	75.6	75.7	75.8	75.8	75.8
GE 3500	69.7	72.5	75.1	76.2	77.1	77.3	77.6	78.0	78.0	78.4	78.5	78.5	78.6	78.7	78.7	78.7
GE 3000	70.9	74.4	77.1	78.6	80.1	80.3	80.8	81.1	81.1	81.5	81.6	81.6	81.7	81.8	81.8	81.8
GE 2500	71.9	76.2	78.9	80.6	82.3	82.5	83.0	83.3	83.3	83.8	83.9	83.9	84.0	84.1	84.1	84.1
GE 2000	72.8	77.1	79.8	81.6	83.4	83.9	84.4	84.7	84.7	85.2	85.3	85.3	85.4	85.5	85.5	85.5
GE 1800	73.2	77.5	80.2	82.0	83.9	84.3	84.8	85.3	85.3	85.7	85.8	85.8	85.9	86.0	86.0	86.0
GE 1500	74.3	78.6	81.4	83.2	85.1	85.6	86.3	86.8	86.8	87.2	87.3	87.3	87.4	87.5	87.5	87.5
GE 1200	74.7	79.2	82.3	84.2	86.0	86.6	87.3	87.7	87.7	88.2	88.3	88.3	88.4	88.5	88.5	88.5
GE 1000	75.1	79.6	82.6	84.5	86.5	87.0	87.7	88.2	88.3	88.8	88.9	88.9	89.0	89.1	89.1	89.1
GE 900	75.1	79.7	82.7	84.6	86.7	87.3	88.1	88.5	88.6	89.1	89.2	89.2	89.4	89.5	89.5	89.5
GE 800	75.6	80.2	83.5	85.5	87.7	88.4	89.1	89.9	90.0	90.5	90.6	90.6	90.8	91.0	91.0	91.0
GE 700	75.7	80.3	83.9	85.9	88.2	88.8	89.6	90.3	90.4	91.0	91.1	91.1	91.2	91.4	91.4	91.4
GE 600	75.8	80.5	84.1	86.1	88.4	89.0	89.8	90.5	90.6	91.2	91.4	91.4	91.5	91.7	91.7	91.7
GE 500	75.8	80.8	84.3	86.3	89.4	90.2	91.5	92.5	92.6	93.2	93.5	93.5	93.8	94.2	94.2	94.2
GE 400	75.8	80.8	84.3	86.5	89.5	90.3	92.0	93.0	93.1	94.0	94.5	94.5	94.8	95.3	95.4	95.4
GE 300	75.8	80.9	84.6	86.8	90.0	90.9	93.0	94.2	94.4	95.7	96.3	96.3	96.9	97.3	97.4	97.4
GE 200	75.8	80.9	84.6	86.8	90.2	91.2	93.5	94.9	95.5	97.0	97.6	97.6	98.3	98.7	98.8	98.8
GE 100	75.8	80.9	84.6	86.8	90.2	91.2	93.5	94.9	95.5	97.0	97.7	97.7	98.5	99.0	99.1	100.0
GE 000	75.8	80.9	84.6	86.8	90.2	91.2	93.5	94.9	95.5	97.0	97.7	97.7	98.5	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.1	41.5	43.3	44.3	44.9	45.1	45.1	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4
GE 20000	44.6	47.6	49.8	50.9	51.6	51.7	51.7	51.9	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2
GE 18000	44.9	48.0	50.2	51.3	52.0	52.2	52.2	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000	44.9	48.0	50.2	51.3	52.0	52.2	52.2	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000	44.9	48.0	50.2	51.3	52.0	52.2	52.2	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
GE 12000	45.3	48.4	50.6	51.7	52.5	52.6	52.6	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0
GE 10000	48.7	51.9	54.5	55.7	56.6	56.7	56.8	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
GE 9000	49.0	52.3	54.8	56.0	56.9	57.0	57.1	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5
GE 8000	53.4	57.0	59.6	60.9	61.8	61.9	62.3	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	54.0	57.5	60.1	61.4	62.4	62.6	62.9	63.1	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3
GE 6000	54.4	58.0	60.5	61.8	62.8	63.1	63.4	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	56.1	59.8	62.4	63.8	64.7	65.2	65.5	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1
GE 4500	58.2	62.2	64.9	66.3	67.5	68.0	68.3	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
GE 4000	62.5	66.8	70.4	71.9	73.3	73.9	74.2	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9
GE 3500	63.8	68.4	72.4	74.2	75.6	76.2	76.7	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4
GE 3000	66.3	71.8	76.2	78.1	79.7	80.4	81.0	81.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	67.3	73.5	78.0	79.9	81.5	82.3	82.8	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7
GE 2000	68.3	74.6	79.2	81.2	82.8	83.5	84.1	84.6	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	68.4	74.7	79.4	81.3	82.9	83.8	84.3	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2
GE 1500	69.4	75.8	80.6	82.8	84.5	85.4	86.0	86.6	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1
GE 1200	69.6	76.2	81.1	83.3	85.1	85.9	86.7	87.2	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	70.2	77.1	81.9	84.2	86.0	86.9	87.6	88.2	88.3	88.5	88.8	88.8	88.8	88.8	88.8	88.8
GE 900	70.2	77.3	82.3	84.7	86.7	87.5	88.3	88.8	88.9	89.2	89.6	89.6	89.6	89.6	89.6	89.6
GE 800	70.3	77.4	82.7	85.3	87.3	88.2	89.2	90.0	90.2	90.5	91.1	91.1	91.2	91.2	91.2	91.2
GE 700	70.3	77.7	83.0	85.8	87.8	88.8	89.9	90.6	90.9	91.2	91.7	91.7	91.8	91.8	91.8	91.8
GE 600	70.4	78.2	83.7	86.5	88.7	89.8	90.9	91.6	91.9	92.3	92.9	92.9	93.0	93.0	93.0	93.0
GE 500	70.4	78.3	83.8	86.6	89.1	90.3	91.7	92.7	93.0	93.4	94.1	94.1	94.3	94.3	94.3	94.3
GE 400	70.4	78.5	84.0	87.0	89.7	90.9	92.3	93.4	94.0	94.4	95.3	95.5	95.7	95.7	95.7	95.7
GE 300	70.8	78.9	84.5	87.5	90.2	91.4	92.9	94.5	95.5	96.2	97.3	97.5	98.0	98.0	98.2	98.2
GE 200	70.8	78.9	84.5	87.5	90.4	91.6	93.2	95.1	96.1	96.9	98.1	98.3	98.7	98.7	98.9	98.9
GE 100	70.8	78.9	84.5	87.5	90.4	91.6	93.2	95.1	96.1	96.9	98.1	98.4	98.9	99.0	99.5	100.0
GE 000	70.8	78.9	84.5	87.5	90.4	91.6	93.2	95.1	96.1	96.9	98.1	98.4	98.9	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.6	41.4	42.5	43.2	43.5	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	42.4	47.4	48.8	49.6	50.2	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 18000	42.5	47.5	48.9	49.7	50.3	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 16000	42.5	47.5	48.9	49.7	50.3	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 14000	43.2	48.1	49.6	50.5	51.0	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 12000	43.6	48.7	50.3	51.2	51.8	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 10000	47.6	53.0	54.7	55.7	56.2	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 9000	47.8	53.2	54.9	55.9	56.4	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	53.5	59.4	61.5	62.6	63.3	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 7000	54.3	60.5	62.5	63.7	64.4	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 6000	54.4	60.6	62.6	63.8	64.5	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	56.8	63.7	65.8	67.0	67.7	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 4500	58.1	65.9	68.2	69.6	70.5	70.9	70.9	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4000	60.3	68.2	71.3	72.7	73.6	74.1	74.1	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	61.9	70.2	73.3	74.7	76.1	76.7	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000	64.2	72.7	76.0	77.4	79.1	79.9	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 2500	64.6	73.5	77.0	78.4	80.2	81.2	81.4	81.7	81.7	81.8	81.8	81.6	81.8	81.8	81.8	81.8
GE 2000	65.2	74.4	77.8	79.4	81.4	82.3	82.6	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1800	65.3	74.5	77.9	79.5	81.5	82.5	82.7	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 1500	66.5	76.0	79.7	81.4	83.4	84.4	84.8	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1200	66.7	76.3	80.0	81.7	83.7	84.7	85.1	85.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1000	67.0	76.9	80.6	82.6	84.8	85.9	86.3	87.0	87.1	87.5	87.7	87.7	87.7	87.8	87.9	87.9
GE 900	67.2	77.1	80.9	83.2	85.6	86.7	87.2	87.8	87.9	88.4	88.6	88.[illegible]	88.6	88.7	88.8	88.8
GE 800	67.2	77.1	81.1	83.7	86.1	87.3	87.9	88.8	88.9	89.5	89.7	[illegible].7	89.7	89.8	89.9	89.9
GE 700	67.3	77.6	81.6	84.4	86.8	87.9	88.6	89.5	89.8	90.3	90.5	90.5	90.5	90.6	90.7	90.7
GE 600	67.3	77.7	81.7	84.7	87.6	89.2	90.0	90.9	91.2	92.0	92.5	92.5	92.5	92.6	92.7	92.7
GE 500	67.3	77.7	81.8	84.9	87.9	89.7	90.9	92.0	92.4	93.3	93.8	93.8	93.8	93.9	94.0	94.0
GE 400	67.3	77.9	82.0	85.3	88.5	90.2	91.9	93.3	93.9	94.8	95.5	95.6	95.9	96.0	96.1	96.3
GE 300	67.3	78.0	82.5	85.7	89.2	91.0	92.8	94.4	94.9	95.9	96.8	96.9	97.6	98.0	98.1	98.3
GE 200	67.3	78.0	82.5	85.7	89.2	91.0	92.8	94.4	94.9	95.9	96.9	97.3	98.3	98.6	98.7	98.9
GE 100	67.3	78.0	82.5	85.7	89.2	91.0	92.8	94.4	94.9	96.0	97.0	97.4	98.4	98.9	99.1	99.8
GE 000	67.3	78.0	82.5	85.7	89.2	91.0	92.8	94.4	94.9	96.0	97.0	97.4	98.4	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.1	42.7	43.9	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 20000	48.1	50.4	51.6	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 18000	48.1	50.4	51.6	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	48.2	50.5	51.7	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000	48.3	50.6	51.8	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 12000	49.0	51.6	52.8	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 10000	52.6	55.5	56.7	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	52.8	55.7	56.9	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 8000	57.2	60.5	62.0	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 7000	57.8	61.3	63.0	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 6000	58.4	61.8	63.5	64.5	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 5000	60.5	64.4	66.1	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	61.7	66.1	67.8	68.8	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	64.8	69.5	71.5	72.5	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500	66.6	71.2	73.2	74.2	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3000	70.6	75.7	78.1	79.0	80.0	80.2	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5
GE 2500	71.1	76.1	78.5	79.6	80.8	81.0	81.2	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4
GE 2000	71.1	76.1	78.8	80.2	81.7	81.9	82.2	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4
GE 1800	71.2	76.2	78.9	80.3	81.9	82.2	82.4	82.4	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6
GE 1500	71.8	77.1	80.0	81.4	83.4	83.8	84.2	84.2	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6
GE 1200	72.4	77.7	80.6	82.4	84.5	84.8	85.3	85.3	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7
GE 1000	72.8	78.2	81.2	83.1	85.5	85.8	86.3	86.5	86.5	86.9	87.1	87.2	87.2	87.2	87.3	87.3
GE 900	72.8	78.2	81.4	83.4	85.9	86.2	86.8	87.0	87.0	87.4	87.6	87.7	87.7	87.7	87.8	87.8
GE 800	72.8	78.2	81.5	83.8	86.5	86.9	87.5	87.7	87.7	88.3	88.6	88.7	88.7	88.8	88.9	88.9
GE 700	73.1	78.6	82.0	84.3	87.0	87.4	88.3	88.6	88.7	89.2	89.7	89.8	89.8	89.9	90.0	90.0
GE 600	73.2	78.7	82.4	85.1	88.2	88.7	89.7	90.2	90.3	90.9	91.4	91.5	91.5	91.6	91.7	91.7
GE 500	73.2	78.7	82.5	85.3	88.8	89.5	91.1	92.2	92.3	92.9	93.9	94.0	94.1	94.2	94.3	94.3
GE 400	73.3	78.8	82.6	85.4	89.5	90.1	92.0	93.2	93.3	94.1	95.2	95.3	95.6	95.7	95.8	95.9
GE 300	73.3	78.8	82.6	85.4	89.7	90.3	92.3	94.1	94.3	95.5	96.7	96.8	97.1	97.2	97.3	97.5
GE 200	73.3	78.8	82.6	85.4	89.7	90.3	92.3	94.1	94.3	96.0	97.3	97.4	98.2	98.4	98.5	98.9
GE 100	73.3	78.8	82.6	85.4	89.7	90.3	92.3	94.1	94.3	96.0	97.3	97.5	98.4	98.7	98.9	99.8
GE 000	73.3	78.8	82.6	85.4	89.7	90.3	92.3	94.1	94.3	96.0	97.3	97.5	98.4	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.4	42.6	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 20000	48.8	51.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 18000	48.9	51.1	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
GE 16000	49.0	51.2	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2
GE 14000	49.2	51.4	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4
GE 12000	51.0	53.1	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2
GE 10000	54.0	56.1	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7
GE 9000	54.1	56.2	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8
GE 8000	58.2	60.5	62.2	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2
GE 7000	59.2	61.6	63.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5
GE 6000	60.0	62.4	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
GE 5000	61.3	64.5	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
GE 4500	62.6	66.1	68.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9
GE 4000	66.1	69.8	72.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7
GE 3500	67.7	71.6	74.2	75.3	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1
GE 3000	71.9	76.0	79.4	80.5	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
GE 2500	72.5	76.7	80.1	81.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7
GE 2000	72.8	77.1	80.6	82.0	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7
GE 1800	72.9	77.2	80.9	82.3	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0
GE 1500	73.2	77.6	81.9	83.4	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
GE 1200	73.3	77.7	82.3	83.9	85.6	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.6	86.6	86.6
GE 1000	73.9	78.4	83.1	84.9	86.9	87.0	87.6	87.7	87.7	87.8	87.8	87.8	88.0	88.1	88.1	88.1
GE 900	74.1	78.6	83.3	85.3	87.5	87.6	88.3	88.5	88.5	88.6	88.6	88.6	88.7	88.8	88.8	88.8
GE 800	74.4	79.1	84.1	86.2	88.7	88.8	89.5	89.8	89.8	90.0	90.0	90.0	90.1	90.4	90.4	90.4
GE 700	74.4	79.1	84.1	86.2	88.7	88.9	89.8	90.2	90.2	90.4	90.4	90.4	90.5	90.9	90.9	90.9
GE 600	74.4	79.1	84.4	86.6	89.4	89.7	90.9	91.3	91.4	91.7	91.9	91.9	92.0	92.4	92.4	92.4
GE 500	74.4	79.2	84.5	87.1	90.0	90.4	91.8	92.5	92.7	93.1	93.4	93.5	93.7	94.0	94.0	94.0
GE 400	74.4	79.4	84.6	87.2	90.3	90.8	92.2	93.3	93.7	94.7	95.3	95.4	95.5	95.8	95.8	95.8
GE 300	74.4	79.5	84.7	87.3	90.6	91.1	92.6	93.9	94.2	95.6	96.5	96.6	96.8	97.1	97.1	97.2
GE 200	74.4	79.5	84.7	87.3	90.6	91.2	92.7	94.1	94.4	95.9	96.9	97.1	97.5	98.1	98.1	98.4
GE 100	74.4	79.5	84.7	87.3	90.6	91.2	92.7	94.1	94.4	95.9	96.9	97.3	97.8	98.5	98.7	99.5
GE 000	74.4	79.5	84.7	87.3	90.6	91.2	92.7	94.1	94.4	95.9	96.9	97.3	97.8	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	49.6	49.8	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.6	50.6	50.6	50.8
GE 20000	55.9	56.9	57.1	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	58.0	58.0	58.0	58.1
GE 18000	55.9	56.9	57.1	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	58.0	58.0	58.0	58.1
GE 16000	56.1	57.1	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.3
GE 14000	56.1	57.1	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.3
GE 12000	57.0	58.0	58.2	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.1
GE 10000	59.4	60.5	61.2	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.2	62.2	62.2	62.3
GE 9000	59.8	61.0	61.6	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.7
GE 8000	63.7	65.1	66.0	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.1
GE 7000	64.8	66.2	67.2	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.2	68.2	68.2	68.3
GE 6000	65.4	67.0	68.1	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.1
GE 5000	67.2	68.8	70.1	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.2	71.2	71.2	71.3
GE 4500	68.8	70.5	72.0	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.4
GE 4000	70.6	72.4	73.9	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.5
GE 3500	72.4	74.5	76.3	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	78.0	78.0	78.0	78.1
GE 3000	75.2	78.1	80.1	81.1	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.2	82.2	82.2	82.3
GE 2500	76.5	79.5	81.8	82.8	83.5	83.7	83.9	83.9	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.2
GE 2000	76.9	80.1	82.5	83.4	84.3	84.5	84.7	84.7	84.7	84.7	84.8	84.8	84.9	84.9	84.9	85.1
GE 1800	77.0	80.2	82.7	83.7	84.5	84.7	84.9	84.9	84.9	84.9	85.1	85.1	85.3	85.3	85.3	85.4
GE 1500	77.1	80.3	83.2	84.4	85.4	85.7	85.9	85.9	85.9	85.9	86.0	86.0	86.2	86.2	86.2	86.3
GE 1200	77.5	80.8	83.7	84.9	85.9	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.9
GE 1000	77.5	80.9	83.8	85.4	86.3	86.7	86.9	86.9	86.9	86.9	87.0	87.0	87.2	87.2	87.2	87.3
GE 900	77.5	81.0	83.9	85.5	86.6	86.9	87.1	87.1	87.1	87.1	87.2	87.2	87.4	87.4	87.4	87.5
GE 800	77.8	81.3	84.3	86.0	87.3	87.7	88.0	88.0	88.0	88.0	88.1	88.1	88.3	88.3	88.3	88.4
GE 700	78.0	81.5	84.7	87.0	88.5	89.1	89.6	89.6	89.6	89.6	89.7	89.7	89.9	89.9	89.9	90.1
GE 600	78.0	81.6	84.9	88.0	89.7	90.4	91.1	91.1	91.1	91.1	91.2	91.2	91.4	91.4	91.4	91.6
GE 500	78.0	81.6	84.9	88.1	90.2	91.0	91.6	91.7	91.7	91.7	92.0	92.0	92.5	92.5	92.5	92.7
GE 400	78.1	81.7	85.1	88.4	91.0	91.8	92.5	93.0	93.0	93.7	94.2	94.2	94.7	94.7	94.7	95.1
GE 300	78.1	81.7	85.1	88.4	91.0	91.8	92.5	93.0	93.0	94.0	94.5	94.5	95.1	95.1	95.1	95.4
GE 200	78.1	81.7	85.1	88.4	91.0	91.8	92.7	93.2	93.2	94.6	95.7	95.8	96.7	96.7	96.8	97.4
GE 100	78.1	81.7	85.1	88.4	91.0	91.8	92.7	93.2	93.3	94.7	96.1	96.6	97.7	97.7	98.4	99.7
GE 000	78.1	81.7	85.1	88.4	91.0	91.8	92.7	93.2	93.3	94.7	96.1	96.6	97.7	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.6	48.6	49.5	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.6
GE 20000	54.5	56.1	57.0	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	58.3
GE 18000	54.5	56.1	57.0	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	58.3
GE 16000	54.5	56.1	57.0	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	58.3
GE 14000	54.8	56.5	57.3	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.6
GE 12000	55.8	57.4	58.3	58.5	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.6
GE 10000	59.1	61.0	61.9	62.3	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.4
GE 9000	59.1	61.1	62.0	62.4	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.5
GE 8000	62.8	64.9	66.3	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	68.2
GE 7000	64.0	66.1	67.6	68.3	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.5
GE 6000	64.7	66.9	68.4	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	70.2
GE 5000	67.2	69.9	71.4	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	73.3
GE 4500	68.6	71.4	72.9	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.9
GE 4000	70.2	73.5	75.2	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	77.3
GE 3500	72.2	75.6	77.2	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	79.4
GE 3000	73.8	78.0	79.6	80.4	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.9
GE 2500	74.8	79.0	80.9	81.9	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.4
GE 2000	75.4	79.6	81.6	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	84.2
GE 1800	75.7	79.9	82.0	83.1	84.1	84.1	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.8
GE 1500	75.8	80.3	82.5	83.9	85.2	85.2	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	86.1
GE 1200	76.0	80.5	83.1	84.5	85.8	85.9	86.1	86.2	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.9
GE 1000	76.3	80.9	83.7	85.2	86.5	86.6	86.9	87.0	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.7
GE 900	76.6	81.1	83.9	85.4	86.7	86.8	87.1	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.6	88.1
GE 800	76.7	81.3	84.2	85.8	87.1	87.2	87.8	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.9
GE 700	76.9	81.5	84.5	86.2	88.1	88.2	88.8	89.1	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.9
GE 600	76.9	81.6	84.6	86.3	88.6	88.9	89.6	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.8
GE 500	77.0	81.8	84.9	86.7	89.5	89.9	90.6	91.7	91.8	92.2	92.5	92.5	92.7	92.7	92.7	93.1
GE 400	77.0	81.8	85.1	86.8	89.8	90.3	91:4	92.8	93.1	93.7	94.2	94.2	94.5	94.5	94.5	95.1
GE 300	77.0	81.8	85.1	86.9	90.1	90.6	91.7	93.3	93.7	94.6	95.2	95.3	95.6	95.6	95.6	96.1
GE 200	77.0	81.8	85.1	86.9	90.1	91.0	92.0	93.7	94.0	95.3	96.2	96.3	97.2	97.2	97.2	98.1
GE 100	77.0	81.8	85.1	86.9	90.1	91.0	92.0	93.7	94.0	95.3	96.3	96.5	97.4	97.5	98.0	99.9
GE 000	77.0	81.8	85.1	86.9	90.1	91.0	92.0	93.7	94.0	95.3	96.3	96.5	97.4	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.5	45.4	46.5	46.9	47.2	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.6	47.6
GE 20000	50.1	52.3	53.5	54.0	54.4	54.5	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.8
GE 18000	50.3	52.5	53.7	54.2	54.6	54.6	54.6	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	55.0
GE 16000	50.4	52.6	53.7	54.3	54.6	54.7	54.7	54.8	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.1
GE 14000	50.6	52.8	54.0	54.6	54.9	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.4
GE 12000	51.3	53.6	54.8	55.3	55.7	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.2
GE 10000	54.6	57.0	58.4	59.0	59.5	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9
GE 9000	54.8	57.2	58.6	59.2	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.1
GE 8000	59.0	61.7	63.3	64.2	64.7	64.8	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.2
GE 7000	59.9	62.7	64.4	65.2	65.7	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.3
GE 6000	60.4	63.3	65.0	65.8	66.3	66.5	66.5	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.9
GE 5000	62.1	65.4	67.2	68.1	68.6	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.2
GE 4500	63.9	67.5	69.5	70.5	71.1	71.2	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.8
GE 4000	66.5	70.4	72.7	73.7	74.5	74.7	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.2	75.2
GE 3500	68.2	72.3	74.8	76.0	76.9	77.1	77.2	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.7
GE 3000	70.7	75.4	78.1	79.4	80.5	80.8	81.0	81.2	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.5
GE 2500	71.5	76.5	79.4	80.7	82.0	82.3	82.5	82.7	82.7	82.8	82.9	82.9	82.9	83.0	83.0	83.1
GE 2000	72.1	77.2	80.2	81.7	83.1	83.4	83.7	83.9	83.9	84.0	84.1	84.1	84.1	84.2	84.2	84.2
GE 1800	72.3	77.4	80.5	81.9	83.4	83.7	84.0	84.2	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.6
GE 1500	72.9	78.2	81.5	83.1	84.7	85.1	85.5	85.7	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.2
GE 1200	73.2	78.6	82.0	83.7	85.4	85.8	86.3	86.5	86.5	86.7	86.8	86.8	86.9	86.9	86.9	87.0
GE 1000	73.5	79.1	82.5	84.4	86.2	86.6	87.1	87.4	87.4	87.6	87.8	87.8	87.9	87.9	88.0	88.0
GE 900	73.6	79.2	82.8	84.7	86.6	87.0	87.5	87.8	87.9	88.2	88.3	88.3	88.4	88.4	88.5	88.6
GE 800	73.9	79.5	83.2	85.3	87.3	87.8	88.5	88.9	89.0	89.3	89.5	89.5	89.6	89.7	89.7	89.8
GE 700	74.0	79.7	83.5	85.8	87.9	88.5	89.2	89.6	89.7	90.0	90.2	90.3	90.4	90.5	90.5	90.6
GE 600	74.0	79.9	83.8	86.2	88.6	89.3	90.1	90.6	90.8	91.1	91.5	91.5	91.6	91.7	91.7	91.8
GE 500	74.0	79.9	83.9	86.4	89.2	90.1	91.2	92.1	92.2	92.7	93.2	93.2	93.4	93.5	93.6	93.7
GE 400	74.1	80.0	84.0	86.6	89.7	90.5	91.9	93.1	93.3	94.0	94.7	94.8	95.1	95.2	95.3	95.4
GE 300	74.1	80.1	84.2	86.8	90.1	91.0	92.5	93.9	94.3	95.3	96.1	96.2	96.6	96.8	96.9	97.1
GE 200	74.1	80.1	84.2	86.8	90.2	91.1	92.7	94.2	94.7	95.9	96.9	97.1	97.8	98.0	98.1	98.4
GE 100	74.1	80.1	84.2	86.8	90.2	91.1	92.7	94.2	94.7	96.0	97.0	97.3	98.1	98.4	98.7	99.8
GE 000	74.1	80.1	84.2	86.8	90.2	91.1	92.7	94.2	94.7	96.0	97.0	97.3	98.1	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.5	49.8	50.7	51.1	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.7
GE 20000	53.1	54.4	55.3	55.7	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56 3
GE 18000	53.1	54.4	55.3	55.7	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3
GE 16000	53.1	54.4	55.3	55.7	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3
GE 14000	53.1	54.4	55.3	55.7	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3
GE 12000	54.3	55.6	56.5	56.9	57.1	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4
GE 10000	58.2	59.5	60.4	60.8	61.0	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.3
GE 9000	58.3	59.6	60.5	60.9	61.1	61.1	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.5
GE 8000	61.8	63.1	64.1	64.7	65.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.4
GE 7000	62.4	63.8	65.0	65.6	66.0	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3
GE 6000	63.5	64.9	66.1	66.7	67.0	67.0	67.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.4
GE 5000	65.5	67.3	68.7	69.3	69.7	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.1
GE 4500	67.4	69.6	71.2	71.7	72.2	72.2	72.2	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.6
GE 4000	69.1	71.7	73.3	74.0	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1
GE 3500	69.7	72.7	74.7	75.5	76.2	76.2	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6
GE 3000	70.6	73.6	75.9	77.1	77.8	77.8	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.1
GE 2500	71.5	74.7	77.2	78.4	79.2	79.2	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 2000	72.6	75.9	78.5	79.7	80.5	80.5	80.5	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	81.0
GE 1800	72.8	76.1	78.7	79.9	80.7	80.7	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.3
GE 1500	73.4	77.3	80.0	81.2	82.0	82.0	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7
GE 1200	73.8	77.8	80.6	81.8	82.6	82.6	82.9	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.3
GE 1000	74.3	78.6	81.8	83.8	84.6	84.6	85.0	85.1	85.1	85.5	85.7	85.7	85.7	85.7	85.7	85.8
GE 900	75.1	79.6	83.1	85.1	86.1	86.1	86.5	86.6	86.6	87.0	87.4	87.5	87.5	87.5	87.5	87.6
GE 800	75.1	79.7	83.6	85.7	86.9	86.9	87.4	87.7	87.7	88.2	88.5	88.8	88.8	88.8	88.8	88.9
GE 700	75.2	79.9	84.2	86.8	87.9	88.3	88.8	89.1	89.1	89.6	90.0	90.2	90.2	90.2	90.2	90.3
GE 600	75.2	80.0	84.3	87.0	88.3	88.7	89.1	89.5	89.6	90.1	90.4	90.7	90.7	90.7	90.7	90.8
GE 500	75.3	80.1	84.8	87.5	88.9	89.2	89.8	90.5	91.0	91.6	92.1	92.3	92.6	92.7	92.7	92.8
GE 400	75.4	80.3	84.9	87.8	89.4	89.7	90.5	91.5	92.1	92.7	93.1	93.4	93.7	93.9	93.9	94.1
GE 300	75.4	80.3	84.9	88.2	89.8	90.2	91.4	92.6	93.3	94.2	95.2	95.4	95.7	96.0	96.1	96.3
GE 200	75.4	80.3	84.9	88.3	90.0	90.3	91.6	93.1	93.9	95.2	96.6	96.8	97.3	97.5	97.6	98.0
GE 100	75.4	80.3	84.9	88.3	90.0	90.3	91.6	93.1	93.9	95.3	96.8	97.0	97.9	98.1	98.5	99.6
GE 000	75.4	80.3	84.9	88.3	90.0	90.3	91.6	93.1	93.9	95.3	96.8	97.0	97.9	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.6	47.9	48.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20000	51.8	53.1	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 18000	51.8	53.1	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	51.8	53.1	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	51.8	53.1	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 12000	52.7	54.0	55.3	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 10000	57.3	58.6	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 9000	57.3	58.6	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 8000	60.8	62.1	63.7	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	61.6	62.9	64.5	65.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 6000	62.1	63.4	65.0	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	63.2	64.8	66.4	67.1	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4500	64.4	66.1	67.8	68.7	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	67.0	68.7	70.7	71.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3500	68.6	70.6	72.9	74.2	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3000	70.6	72.7	75.2	76.8	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2500	71.0	73.3	76.1	77.8	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 2000	72.0	74.5	77.4	79.2	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1800	72.2	74.7	77.7	79.4	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 1500	73.3	75.8	79.0	80.7	82.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1200	73.9	76.4	79.7	81.4	83.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 1000	74.1	76.6	80.0	81.8	83.5	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 900	74.5	77.2	80.9	82.7	84.5	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 800	74.5	77.3	81.2	83.5	85.5	86.2	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.2	87.2	87.2
GE 700	74.5	77.3	81.7	84.0	86.1	86.8	87.6	87.8	87.8	87.8	87.8	87.8	88.1	88.1	88.1	88.1
GE 600	74.8	78.0	82.4	84.9	87.5	88.2	89.1	89.4	89.5	89.5	89.5	89.5	89.8	89.8	89.8	89.8
GE 500	74.9	78.3	82.7	85.3	88.4	89.1	90.5	90.9	91.3	91.5	91.6	91.6	92.1	92.1	92.1	92.1
GE 400	75.1	78.4	82.9	85.5	88.7	89.6	91.0	91.4	91.7	92.0	92.1	92.1	92.6	92.6	92.6	92.9
GE 300	75.1	78.4	83.1	85.7	89.2	90.5	92.4	93.1	93.5	94.1	94.2	94.2	94.7	94.7	94.7	95.0
GE 200	75.1	78.4	83.2	85.8	89.4	90.8	92.8	93.6	94.0	94.8	95.0	95.0	96.1	96.2	96.5	96.9
GE 100	75.1	78.4	83.2	85.8	89.4	90.8	92.8	93.6	94.0	94.8	95.0	95.0	96.3	96.8	97.2	99.5
GE 000	75.1	78.4	83.2	85.8	89.4	90.8	92.8	93.6	94.0	94.8	95.0	95.0	96.3	96.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.9	43.7	45.4	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 20000	47.5	50.9	52.7	53.4	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
GE 18000	47.5	50.9	52.7	53.4	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
GE 16000	47.5	50.9	52.7	53.4	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
GE 14000	47.6	51.1	52.8	53.5	53.8	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1
GE 12000	47.8	51.3	53.1	53.8	54.0	54.1	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
GE 10000	51.2	54.7	56.6	57.6	57.9	58.0	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
GE 9000	51.3	55.0	56.9	57.8	58.2	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
GE 8000	54.7	58.6	60.9	62.2	62.6	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	56.1	60.2	62.4	63.7	64.2	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	57.0	61.0	63.4	64.7	65.2	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6
GE 5000	58.7	63.0	65.4	66.7	67.3	67.5	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	59.6	64.2	66.5	68.0	68.6	68.8	69.0	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	61.3	66.4	68.9	70.6	71.3	71.5	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2
GE 3500	62.8	68.1	70.6	72.5	73.3	73.6	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
GE 3000	63.5	68.9	71.6	73.8	75.1	75.4	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
GE 2500	64.8	70.3	73.6	75.8	77.1	77.4	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
GE 2000	66.3	71.9	75.3	77.8	79.2	79.6	80.0	80.4	80.4	80.4	80.6	80.7	80.7	80.7	80.7	80.7
GE 1800	66.7	72.2	75.7	78.1	79.6	79.9	80.4	80.7	80.7	80.7	81.0	81.1	81.1	81.1	81.1	81.1
GE 1500	67.1	72.7	76.4	79.2	80.6	81.1	81.6	82.0	82.0	82.3	82.5	82.6	82.6	82.6	82.6	82.6
GE 1200	67.3	72.8	76.5	79.4	80.9	81.3	81.9	82.4	82.4	82.6	82.9	83.0	83.0	83.0	83.0	83.0
GE 1000	67.5	73.0	77.0	80.0	81.6	82.3	82.9	83.3	83.3	83.8	84.0	84.2	84.2	84.2	84.2	84.2
GE 900	67.6	73.4	77.4	80.5	82.0	82.7	83.3	83.8	83.8	84.4	84.6	84.8	84.8	84.8	84.8	84.8
GE 800	67.7	73.8	78.3	81.6	83.5	84.3	85.0	85.6	85.6	86.2	86.4	86.5	86.8	86.8	86.8	86.8
GE 700	67.8	74.0	78.7	82.2	84.5	85.3	86.2	86.8	86.9	87.5	87.7	87.8	88.1	88.1	88.1	88.1
GE 600	68.4	74.6	79.6	83.1	85.7	86.5	87.4	87.9	88.1	88.7	88.9	89.0	89.5	89.5	89.5	89.7
GE 500	68.4	74.6	79.6	83.2	86.1	87.1	88.2	88.8	89.0	90.0	90.4	90.5	91.3	91.3	91.3	91.5
GE 400	68.4	74.7	79.9	83.6	86.6	87.8	89.1	90.0	90.4	91.4	92.1	92.2	93.0	93.0	93.1	93.6
GE 300	68.4	74.7	80.1	83.9	87.1	88.4	89.7	91.1	91.7	92.9	94.1	94.3	95.3	95.3	95.4	95.9
GE 200	68.4	74.7	80.1	83.9	87.2	88.8	90.2	91.6	92.2	93.5	94.8	95.0	96.1	96.1	96.7	97.3
GE 100	68.4	74.7	80.1	83.9	87.2	88.8	90.2	91.6	92.2	93.6	94.9	95.2	96.6	96.7	98.0	99.6
GE 000	68.4	74.7	80.1	83.9	87.2	88.8	90.2	91.6	92.2	93.6	94.9	95.2	96.7	96.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.7	41.3	42.4	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 20000	45.3	49.9	51.2	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 18000	45.5	50.1	51.4	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 16000	45.5	50.1	51.4	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 14000	45.6	50.2	51.5	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 12000	46.6	51.3	52.6	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	49.6	54.4	55.8	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 9000	49.8	54.8	56.3	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 8000	55.4	60.8	62.3	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 7000	55.9	61.9	63.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	56.5	62.5	64.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 5000	59.0	65.4	67.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4500	59.6	66.1	68.2	69.3	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4000	61.9	68.8	70.9	72.1	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3500	62.9	69.9	72.0	73.6	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	64.5	72.0	74.2	76.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 2500	65.8	73.5	76.0	77.8	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2000	66.3	74.1	76.7	78.5	80.0	80.3	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1800	66.8	74.6	77.2	79.0	80.5	80.7	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1500	67.0	74.8	77.4	79.2	80.7	81.1	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1200	67.5	75.4	78.0	79.8	81.6	82.2	82.7	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1000	67.8	76.0	79.1	80.9	82.6	83.3	84.0	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 900	68.0	76.4	79.6	81.4	83.2	83.9	84.6	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 800	68.1	76.6	80.0	82.4	84.5	85.2	85.9	86.1	86.2	86.5	86.6	86.6	86.8	86.8	86.8	86.8
GE 700	68.2	76.7	80.3	83.0	85.5	86.3	87.0	87.2	87.5	87.9	88.1	88.1	88.2	88.2	88.2	88.2
GE 600	68.3	76.8	80.5	83.2	86.1	87.0	87.8	88.2	88.4	89.0	89.1	89.1	89.2	89.2	89.2	89.2
GE 500	68.3	76.8	80.6	83.3	86.6	87.7	89.5	90.1	90.9	91.8	92.2	92.2	92.3	92.3	92.3	92.3
GE 400	68.4	77.0	80.9	83.7	87.2	88.7	90.7	91.4	92.2	93.7	94.4	94.4	94.9	94.9	94.9	95.0
GE 300	68.4	77.0	81.0	83.9	87.6	89.2	91.6	93.0	93.9	95.7	96.9	97.2	98.0	98.1	98.1	98.2
GE 200	68.4	77.0	81.0	83.9	87.6	89.2	91.7	93.3	94.1	96.1	97.4	97.6	98.6	99.1	99.3	99.6
GE 100	68.4	77.0	81.0	83.9	87.6	89.2	91.7	93.3	94.1	96.1	97.4	97.6	98.9	99.4	99.6	100.0
GE 000	68.4	77.0	81.0	83.9	87.6	89.2	91.7	93.3	94.1	96.1	97.4	97.6	98.9	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.8	40.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 20000	46.7	49.1	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 18000	46.9	49.3	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 16000	46.9	49.3	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 14000	47.2	49.5	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 12000	47.5	49.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 10000	50.6	53.5	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 9000	51.1	54.0	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 8000	55.7	58.9	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	56.0	59.5	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 6000	56.5	59.9	61.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	58.3	62.3	63.9	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4500	59.0	63.1	64.8	65.2	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 4000	62.2	66.9	68.8	69.3	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	65.7	71.0	72.9	73.8	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3000	68.3	74.7	77.0	78.3	78.7	78.7	78.8	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3
GE 2500	69.4	76.0	78.5	79.9	80.5	80.5	80.6	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1
GE 2000	70.8	77.4	80.0	81.6	82.4	82.4	82.5	82.7	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0
GE 1800	71.0	77.7	80.3	81.8	82.6	82.6	82.7	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2
GE 1500	72.0	78.6	81.3	83.0	83.9	84.0	84.2	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6
GE 1200	72.6	79.3	82.0	84.0	85.1	85.3	85.6	85.9	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2
GE 1000	73.3	80.3	83.2	85.9	87.4	87.7	88.2	88.8	88.8	89.0	89.0	89.1	89.2	89.2	89.2	89.2
GE 900	73.3	80.4	83.3	86.2	87.6	87.9	88.4	89.0	89.0	89.2	89.2	89.4	89.5	89.5	89.5	89.5
GE 800	73.4	80.5	84.0	87.0	88.7	89.0	89.6	90.4	90.4	90.7	90.7	90.8	90.9	90.9	90.9	90.9
GE 700	73.4	80.7	84.3	87.2	89.0	89.7	90.4	91.4	91.4	91.7	91.8	92.0	92.1	92.1	92.1	92.1
GE 600	73.4	80.7	84.6	87.6	89.5	90.5	91.3	92.2	92.2	92.7	92.8	92.9	93.0	93.0	93.0	93.0
GE 500	73.5	80.9	84.8	88.2	90.3	91.8	93.1	94.1	94.1	94.7	94.8	95.0	95.2	95.2	95.2	95.2
GE 400	73.6	81.0	85.1	88.5	90.7	92.7	94.6	95.7	95.7	96.5	96.9	97.2	97.4	97.4	97.4	97.4
GE 300	73.6	81.0	85.1	88.5	90.8	93.3	95.6	96.9	96.9	98.1	98.6	98.8	99.1	99.1	99.1	99.1
GE 200	73.6	81.0	85.1	88.5	90.8	93.3	95.6	96.9	96.9	98.2	98.9	99.2	99.4	99.5	99.5	99.5
GE 100	73.6	81.0	85.1	88.5	90.8	93.3	95.6	96.9	96.9	98.2	99.1	99.3	99.6	99.8	99.8	100.0
GE 000	73.6	81.0	85.1	88.5	90.8	93.3	95.6	96.9	96.9	98.2	99.1	99.3	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.1	42.6	43.3	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 20000	47.0	49.4	50.1	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 18000	47.0	49.4	50.1	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 16000	47.0	49.4	50.1	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 14000	47.0	49.4	50.1	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 12000	48.6	51.1	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 10000	52.8	56.0	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 9000	53.5	56.7	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 8000	58.4	62.4	63.4	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 7000	59.9	64.2	65.1	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 6000	60.2	64.5	65.5	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 5000	62.6	67.4	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4500	64.3	69.1	70.8	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	66.9	72.1	73.8	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	68.9	74.1	76.1	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000	70.6	76.4	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 2500	72.1	78.0	80.5	81.2	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
GE 2000	73.5	79.6	82.0	82.7	83.6	83.8	83.8	83.9	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 1800	73.5	79.7	82.2	82.9	83.8	84.0	84.0	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5
GE 1500	74.2	81.1	83.6	84.3	85.3	85.6	85.8	85.9	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200	74.6	81.9	84.4	85.5	86.8	87.0	87.2	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9
GE 1000	75.2	83.0	85.5	86.9	88.2	88.5	88.8	89.1	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6
GE 900	75.2	83.0	85.7	87.1	88.5	89.0	89.2	89.6	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 800	75.3	83.6	86.8	88.4	90.0	90.4	90.8	91.1	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 700	75.3	83.6	86.8	88.4	90.4	91.0	91.4	91.8	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8
GE 600	75.5	83.8	87.2	88.9	91.3	92.1	92.6	93.1	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1
GE 500	75.5	83.8	87.7	89.4	91.8	92.7	93.4	94.1	94.6	94.9	95.2	95.2	95.4	95.4	95.4	95.4
GE 400	75.5	83.8	87.9	89.6	92.1	93.0	93.7	95.0	95.6	96.1	96.7	96.9	97.2	97.2	97.2	97.2
GE 300	75.5	83.8	88.1	89.7	92.2	93.1	94.2	95.9	96.6	97.4	98.2	98.5	98.7	98.7	98.7	98.7
GE 200	75.5	83.8	88.1	89.7	92.2	93.1	94.2	96.0	96.7	97.6	98.6	98.8	99.2	99.2	99.2	99.2
GE 100	75.5	83.8	88.1	89.7	92.2	93.1	94.2	96.0	96.7	97.6	98.6	98.8	99.3	99.4	99.8	100.0
GE 000	75.5	83.8	88.1	89.7	92.2	93.1	94.2	96.0	96.7	97.6	98.6	98.8	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.9	46.1	46.1	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 20000	52.6	54.0	54.1	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 18000	52.6	54.0	54.1	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	52.6	54.0	54.1	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 14000	52.7	54.1	54.3	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	53.3	54.7	54.9	54.9	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	58.2	59.8	60.2	60.3	60.4	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 9000	58.8	60.4	60.8	60.9	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 8000	64.5	66.4	66.9	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	65.8	67.7	68.2	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	65.8	67.8	68.4	68.5	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 5000	67.3	69.4	70.4	70.5	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 4500	69.2	71.3	72.5	72.6	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4000	71.0	73.2	75.1	75.5	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3500	72.6	75.0	77.1	77.5	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	73.6	76.7	79.1	79.5	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 2500	75.0	78.6	81.4	81.9	82.1	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2000	75.5	79.0	82.1	82.7	82.9	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 1800	75.9	79.6	82.7	83.3	83.5	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1500	76.3	80.1	83.2	83.9	84.2	84.5	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	76.4	80.5	83.6	84.4	85.2	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1000	76.9	80.9	84.2	85.1	86.6	87.0	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 900	77.0	81.2	85.2	86.0	87.6	88.3	88.6	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
GE 800	77.4	81.8	85.8	86.7	88.3	89.0	89.3	90.0	90.0	90.3	90.5	90.5	90.8	90.8	90.8	90.8
GE 700	77.6	82.0	86.3	87.6	89.1	89.9	90.3	91.1	91.1	91.4	91.7	91.7	91.9	91.9	91.9	91.9
GE 600	77.6	82.0	86.6	87.9	89.8	90.8	91.2	92.3	92.4	92.8	93.2	93.2	93.5	93.5	93.5	93.5
GE 500	77.6	82.0	86.7	88.0	90.0	91.0	91.5	92.9	93.2	93.7	94.2	94.2	94.8	94.8	94.8	94.8
GE 400	77.6	82.1	87.0	88.4	90.4	91.5	92.1	93.6	94.0	94.4	95.0	95.0	95.6	95.6	95.6	95.6
GE 300	77.6	82.1	87.0	88.5	90.8	91.9	92.9	94.9	95.3	96.1	96.7	96.7	97.3	97.3	97.3	97.3
GE 200	77.6	82.1	87.0	88.5	90.8	91.9	93.0	95.0	95.4	96.4	97.2	97.3	98.0	98.2	98.2	98.3
GE 100	77.6	82.1	87.0	88.5	90.8	91.9	93.0	95.0	95.4	96.6	97.4	97.6	98.7	99.1	99.2	99.5
GE 000	77.6	82.1	87.0	88.5	90.8	91.9	93.0	95.0	95.4	96.6	97.4	97.6	98.7	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 844

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.6	48.5	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3
GE 20000	53.3	54.6	54.9	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5
GE 18000	53.5	54.8	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8
GE 16000	53.5	54.8	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	53.9	55.2	55.5	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	54.6	55.9	56.2	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	58.8	60.3	60.7	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	59.1	60.5	61.0	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	63.2	64.8	65.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	63.9	65.5	66.5	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
GE 6000	64.2	65.7	66.8	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9
GE 5000	66.4	68.8	70.3	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
GE 4500	68.0	70.8	72.4	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
GE 4000	69.4	72.6	74.3	74.7	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	71.8	75.0	77.1	77.6	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5
GE 3000	73.7	77.0	79.7	80.3	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	74.7	78.4	81.3	81.9	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	75.0	79.1	82.0	82.6	83.5	83.6	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	75.3	79.5	82.3	82.9	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
GE 1500	75.9	80.3	83.2	83.9	84.9	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
GE 1200	76.4	80.9	84.0	84.7	86.0	86.1	86.1	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 1000	76.5	81.0	84.5	85.5	87.0	87.3	87.3	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7
GE 900	77.0	81.6	85.2	86.2	87.7	88.1	88.3	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
GE 800	77.3	82.0	85.5	86.7	88.3	88.7	89.1	90.0	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	77.6	82.2	86.0	87.3	88.8	89.4	89.9	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3
GE 600	77.8	82.4	86.2	87.5	89.1	89.8	90.5	91.5	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1
GE 500	77.8	82.4	86.5	87.9	89.6	90.4	91.2	92.5	92.8	93.4	93.5	93.5	93.6	93.6	93.6	93.6
GE 400	77.8	82.4	86.7	88.1	90.0	91.0	91.8	93.7	94.0	94.5	94.7	94.7	94.8	94.8	94.8	94.8
GE 300	77.8	82.4	86.7	88.1	90.4	91.3	92.5	94.9	95.1	96.4	96.8	96.8	97.0	97.0	97.0	97.0
GE 200	77.8	82.4	86.7	88.1	90.5	91.6	93.0	95.6	95.8	97.6	98.1	98.1	98.6	98.6	98.6	98.7
GE 100	77.8	82.4	86.7	88.1	90.5	91.6	93.1	95.7	96.0	97.7	98.6	98.7	99.3	99.4	99.4	100.0
GE 000	77.8	82.4	86.7	88.1	90.5	91.6	93.1	95.7	96.0	97.7	98.6	98.7	99.3	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.3	45.0	45.9	46.1	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 20000	49.7	51.9	52.9	53.1	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	49.7	52.0	53.0	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6
GE 16000	49.7	52.0	53.0	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6
GE 14000	49.9	52.1	53.1	53.3	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 12000	50.7	53.0	53.9	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 10000	54.6	57.1	58.2	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 9000	54.9	57.5	58.5	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
GE 8000	59.3	62.1	63.4	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	60.2	63.2	64.6	65.1	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 6000	60.7	63.7	65.1	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
GE 5000	62.6	66.0	67.7	68.3	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4500	63.9	67.5	69.3	69.9	70.5	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4000	66.1	70.1	72.0	72.8	73.4	73.5	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7
GE 3500	67.9	72.0	74.2	75.2	75.9	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	69.4	74.0	76.4	77.6	78.4	78.5	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 2500	70.5	75.4	78.1	79.3	80.2	80.3	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	71.5	76.4	79.3	80.6	81.6	81.8	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3
GE 1800	71.8	76.8	79.6	80.9	81.9	82.1	82.3	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6
GE 1500	72.4	77.6	80.5	81.9	83.0	83.3	83.5	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9
GE 1200	72.8	78.1	81.1	82.6	83.9	84.2	84.5	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9
GE 1000	73.2	78.7	81.9	83.7	85.2	85.6	86.0	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6
GE 900	73.4	79.1	82.5	84.4	85.9	86.4	86.8	87.2	87.2	87.4	87.5	87.6	87.6	87.6	87.6	87.6
GE 800	73.6	79.4	83.1	85.2	86.9	87.5	88.0	88.5	88.6	88.8	89.0	89.0	89.2	89.2	89.2	89.2
GE 700	73.7	79.6	83.5	85.8	87.7	88.3	88.9	89.5	89.6	90.0	90.2	90.2	90.3	90.3	90.3	90.3
GE 600	73.9	79.8	83.9	86.3	88.4	89.2	89.9	90.5	90.7	91.1	91.3	91.3	91.5	91.5	91.5	91.5
GE 500	73.9	79.9	84.2	86.6	89.0	89.9	90.9	91.7	92.1	92.7	93.0	93.1	93.4	93.4	93.4	93.4
GE 400	74.0	79.9	84.4	86.9	89.4	90.5	91.7	92.8	93.2	93.9	94.4	94.5	94.9	94.9	94.9	95.1
GE 300	74.0	79.9	84.5	87.1	89.7	91.0	92.5	94.1	94.5	95.6	96.3	96.5	97.0	97.0	97.0	97.2
GE 200	74.0	79.9	84.5	87.1	89.8	91.1	92.8	94.4	94.9	96.2	97.1	97.2	97.9	98.0	98.2	98.4
GE 100	74.0	79.9	84.5	87.1	89.8	91.1	92.8	94.4	94.9	96.2	97.2	97.4	98.3	98.6	98.9	99.8
GE 000	74.0	79.9	84.5	87.1	89.8	91.1	92.8	94.4	94.9	96.2	97.2	97.4	98.3	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.0	52.3	53.0	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	55.3	57.7	58.6	59.1	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	55.3	57.7	58.6	59.1	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 16000	55.3	57.7	58.6	59.1	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	55.3	57.7	58.6	59.1	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 12000	55.9	58.4	59.2	59.8	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 10000	58.3	60.9	61.8	62.6	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 9000	58.4	61.0	61.9	62.7	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 8000	61.4	64.1	65.2	65.9	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	62.4	65.1	66.1	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 6000	63.3	66.0	67.1	67.8	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 5000	65.4	68.1	69.4	70.3	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4500	68.7	71.7	73.1	74.1	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4000	70.9	74.1	75.6	76.7	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3500	72.6	76.2	77.7	79.1	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	76.1	80.3	82.6	84.1	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	76.7	80.9	83.1	84.7	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	77.0	81.4	83.9	85.6	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1800	77.1	81.5	84.0	85.7	86.9	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1500	77.5	82.0	84.5	86.3	87.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1200	77.5	82.2	84.8	86.8	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1000	77.8	82.6	85.4	87.4	88.6	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 900	78.0	82.8	85.6	87.7	89.1	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 800	78.1	82.9	85.8	88.3	89.8	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 700	78.4	83.3	86.2	88.9	90.5	90.9	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 600	78.4	83.4	86.5	89.4	91.3	91.6	92.4	92.8	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 500	78.6	83.8	86.8	89.9	92.4	92.8	94.0	94.5	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1
GE 400	78.6	83.8	86.9	90.2	92.9	93.3	94.7	95.5	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
GE 300	78.6	83.8	87.1	90.6	93.4	93.9	95.9	96.7	97.1	97.2	97.3	97.3	97.5	97.6	97.6	97.6
GE 200	78.6	83.8	87.1	90.6	93.4	93.9	96.1	97.0	97.5	97.8	98.0	98.0	98.3	98.5	98.6	98.7
GE 100	78.6	83.8	87.1	90.6	93.4	93.9	96.1	97.0	97.5	97.8	98.0	98.0	98.3	98.9	99.1	99.6
GE 000	78.6	83.8	87.1	90.6	93.4	93.9	96.1	97.0	97.5	97.8	98.0	98.0	98.3	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	48.0	48.2	48.5	49.1	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	51.1	53.2	53.7	54.2	54.8	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	51.1	53.2	53.7	54.2	54.8	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	51.1	53.2	53.7	54.2	54.8	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	51.1	53.2	53.7	54.2	54.8	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	51.2	53.3	53.8	54.3	54.9	55.2	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 10000	53.2	55.7	56.1	56.7	57.3	57.5	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 9000	53.5	56.0	56.5	57.0	57.6	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	56.8	59.4	60.1	60.8	61.7	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 7000	57.5	60.2	61.0	61.6	62.6	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 6000	58.1	60.8	61.5	62.2	63.1	63.3	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	60.4	63.3	64.1	65.1	66.0	66.2	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 4500	65.2	68.1	68.9	69.9	70.9	71.2	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 4000	67.0	70.3	71.5	72.7	73.7	74.0	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.7
GE 3500	68.8	72.3	73.5	74.9	75.9	76.2	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.0
GE 3000	72.6	76.7	78.3	79.7	80.8	81.2	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9
GE 2500	73.4	77.6	79.9	81.3	82.4	82.9	83.3	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.8
GE 2000	74.1	78.4	80.9	82.5	83.5	84.1	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 1800	74.3	78.7	81.2	82.8	83.9	84.4	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.3
GE 1500	74.7	79.1	81.6	83.3	84.5	85.1	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.9
GE 1200	75.9	80.3	82.8	84.6	85.9	86.6	87.0	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 1000	76.6	81.0	83.7	85.7	87.2	87.8	88.3	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.8
GE 900	76.6	81.0	83.7	85.9	87.6	88.3	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2
GE 800	76.8	81.3	84.1	86.5	88.4	89.0	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0
GE 700	76.9	81.4	84.4	86.9	88.8	89.6	90.2	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.8
GE 600	77.2	82.3	85.4	88.2	90.3	91.1	91.7	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.3
GE 500	77.4	82.5	85.7	88.6	91.0	91.7	92.5	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.8
GE 400	77.4	82.5	85.9	89.1	91.7	92.6	93.7	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9
GE 300	77.4	82.5	85.9	89.6	92.6	93.5	95.2	95.9	96.5	96.6	96.7	96.7	96.9	96.9	96.9	97.0
GE 200	77.4	82.5	86.0	89.8	92.9	93.9	95.7	96.9	97.5	97.6	97.7	97.7	98.2	98.2	98.3	98.5
GE 100	77.4	82.5	86.0	89.8	92.9	93.9	95.7	96.9	97.5	97.6	97.7	97.7	98.2	98.4	98.7	99.4
GE 000	77.4	82.5	86.0	89.8	92.9	93.9	95.7	96.9	97.5	97.6	97.7	97.7	98.2	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.3	44.9	46.2	46.6	46.9	47.2	47.5	47.8	47.8	48.1	48.2	48.2	48.2	48.2	48.2	48.4
GE 20000	44.4	49.6	51.0	51.4	51.8	52.3	52.6	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.4
GE 18000	44.4	49.6	51.0	51.4	51.8	52.3	52.6	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.4
GE 16000	44.4	49.6	51.0	51.4	51.8	52.3	52.6	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.4
GE 14000	44.5	49.7	51.1	51.5	51.9	52.4	52.7	53.0	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.5
GE 12000	44.8	50.1	51.5	51.9	52.4	52.8	53.1	53.4	53.4	53.7	53.8	53.8	53.8	53.8	53.8	54.0
GE 10000	48.2	54.0	55.6	56.0	56.6	57.0	57.3	57.6	57.6	57.8	58.0	58.0	58.0	58.0	58.1	58.3
GE 9000	48.5	54.3	55.9	56.3	56.9	57.3	57.6	58.0	58.0	58.2	58.3	58.3	58.3	58.3	58.4	58.6
GE 8000	52.6	58.7	60.5	61.3	61.8	62.3	62.6	62.9	62.9	63.1	63.2	63.2	63.2	63.2	63.3	63.5
GE 7000	53.9	60.0	61.8	62.6	63.1	63.5	63.9	64.2	64.2	64.4	64.5	64.5	64.5	64.5	64.6	64.8
GE 6000	54.5	60.6	62.6	63.3	63.9	64.3	64.6	64.9	64.9	65.2	65.3	65.3	65.3	65.3	65.4	65.6
GE 5000	56.5	62.7	64.6	65.4	66.1	66.6	66.9	67.2	67.2	67.4	67.5	67.5	67.5	67.5	67.6	67.8
GE 4500	60.1	66.3	68.3	69.0	69.8	70.2	70.5	70.9	70.9	71.1	71.2	71.2	71.2	71.2	71.3	71.6
GE 4000	62.9	69.6	71.6	72.6	73.3	73.8	74.1	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.8	75.2
GE 3500	64.3	71.1	73.2	74.2	74.9	75.5	75.8	76.1	76.1	76.3	76.5	76.5	76.5	76.5	76.6	76.9
GE 3000	66.1	73.3	76.0	77.1	78.1	78.6	78.9	79.2	79.4	79.6	79.7	79.7	79.7	79.7	79.8	80.1
GE 2500	67.8	75.3	78.0	79.0	80.3	80.9	81.2	81.5	81.6	81.8	81.9	81.9	81.9	81.9	82.0	82.4
GE 2000	68.8	76.3	79.1	80.2	81.5	82.0	82.7	83.0	83.1	83.3	83.4	83.4	83.4	83.4	83.5	83.9
GE 1800	68.8	76.6	79.4	80.4	81.7	82.3	82.9	83.2	83.3	83.5	83.7	83.7	83.7	83.7	83.8	84.1
GE 1500	70.0	78.2	81.1	82.2	83.5	84.3	85.2	85.5	85.6	85.8	85.9	85.9	85.9	85.9	86.0	86.3
GE 1200	70.4	78.6	81.5	82.6	84.0	84.7	85.6	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.5	86.8
GE 1000	70.9	79.0	81.9	83.0	84.6	85.4	86.3	86.7	86.8	87.1	87.3	87.3	87.3	87.3	87.4	87.7
GE 900	70.9	79.0	82.2	83.3	85.3	86.0	87.1	87.4	87.5	87.8	88.1	88.1	88.1	88.1	88.2	88.5
GE 800	71.0	79.2	82.5	83.7	85.7	86.6	87.7	88.2	88.3	88.6	88.8	88.8	88.9	88.9	89.0	89.4
GE 700	71.0	79.2	82.7	84.0	86.2	87.1	88.4	88.8	88.9	89.2	89.5	89.5	89.6	89.6	89.7	90.0
GE 600	71.2	79.5	83.4	85.2	87.7	88.8	90.3	91.0	91.1	91.4	91.8	91.8	91.9	91.9	92.0	92.4
GE 500	71.2	79.6	84.2	86.0	89.1	90.4	92.0	92.7	92.9	93.2	93.7	93.7	93.8	93.8	93.9	94.2
GE 400	71.3	79.7	84.4	86.3	89.7	91.2	93.1	93.9	94.1	94.6	95.2	95.2	95.3	95.3	95.4	95.7
GE 300	71.3	79.7	84.5	86.5	89.9	91.4	93.7	94.5	94.7	95.6	96.2	96.2	96.5	96.7	97.1	97.4
GE 200	71.3	79.7	84.5	86.5	89.9	91.4	93.9	94.7	95.1	96.2	97.3	97.4	97.7	98.1	98.7	99.1
GE 100	71.3	79.7	84.5	86.5	89.9	91.4	93.9	94.7	95.1	96.2	97.3	97.4	97.7	98.1	99.0	99.8
GE 000	71.3	79.7	84.5	86.5	89.9	91.4	93.9	94.7	95.1	96.2	97.3	97.4	97.7	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.5	45.8	46.0	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 20000	51.1	52.8	53.0	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	51.2	52.9	53.1	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	51.2	52.9	53.1	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 14000	51.5	53.2	53.4	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 12000	52.0	53.9	54.1	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 10000	55.4	57.7	58.0	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 9000	55.6	58.1	58.3	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 8000	59.7	62.7	63.1	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 7000	61.0	64.0	64.4	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 6000	61.5	64.5	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 5000	62.9	66.2	66.9	67.4	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	65.8	69.6	70.4	71.2	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	69.5	73.4	74.4	75.3	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3500	71.5	75.7	76.7	77.6	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	73.8	78.3	79.8	80.8	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	74.3	78.8	80.5	81.5	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2000	75.1	79.7	81.5	82.6	83.2	83.5	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
GE 1800	75.3	79.9	81.7	82.8	83.4	83.8	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 1500	76.5	81.5	83.4	84.6	85.7	86.2	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 1200	77.0	82.4	84.7	85.9	87.2	87.8	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
GE 1000	77.3	82.7	85.1	86.3	87.8	88.6	89.1	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.6
GE 900	77.8	83.3	85.7	87.0	88.8	89.8	90.5	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1
GE 800	78.0	83.4	86.0	87.5	89.8	90.8	91.5	91.7	91.8	91.9	92.0	92.0	92.2	92.2	92.2	92.2
GE 700	78.4	84.3	87.0	88.6	91.1	92.2	92.9	93.1	93.2	93.4	93.8	93.8	93.9	93.9	93.9	93.9
GE 600	78.4	84.4	87.3	89.1	91.7	93.1	94.0	94.2	94.3	94.6	94.9	94.9	95.1	95.1	95.1	95.1
GE 500	78.4	84.5	87.4	89.2	92.3	94.0	95.3	95.5	95.6	95.9	96.3	96.3	96.5	96.5	96.5	96.5
GE 400	78.4	84.6	87.7	89.8	92.9	94.8	96.2	96.6	96.7	97.1	97.5	97.5	97.6	97.6	97.6	97.6
GE 300	78.4	84.6	87.7	89.8	92.9	94.8	96.7	97.1	97.2	98.0	98.5	98.5	98.7	98.7	98.7	98.7
GE 200	78.4	84.6	87.7	89.8	92.9	94.8	96.8	97.3	97.4	98.3	98.9	99.0	99.5	99.5	99.6	99.6
GE 100	78.4	84.6	87.7	89.8	92.9	94.8	96.8	97.3	97.4	98.3	98.9	99.0	99.5	99.5	99.8	99.9
GE 000	78.4	84.6	87.7	89.8	92.9	94.8	96.8	97.3	97.4	98.3	98.9	99.0	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	50.1	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 18000	50.6	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	50.6	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	50.9	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 12000	51.5	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	54.1	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 9000	54.1	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 8000	57.5	59.2	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 7000	58.3	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 6000	58.5	60.5	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 5000	59.5	61.6	61.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4500	61.9	64.2	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4000	66.8	69.4	69.9	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	72.6	75.4	76.0	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3000	77.0	80.1	81.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	78.1	81.6	83.0	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 2000	78.9	82.5	83.9	85.3	85.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1800	79.0	82.6	84.2	85.6	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	79.7	83.4	85.4	86.9	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1200	80.0	84.1	86.1	87.7	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1000	80.3	84.6	86.8	88.7	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 900	80.6	85.3	87.4	89.4	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	80.9	85.6	87.7	89.9	91.0	91.5	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 700	81.0	85.8	88.1	90.5	92.0	92.9	93.7	94.1	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5
GE 600	81.1	85.9	88.6	91.2	92.8	93.9	94.6	95.1	95.4	95.4	95.6	95.6	95.7	95.7	95.7	95.7
GE 500	81.1	86.1	88.8	91.4	93.1	94.4	95.4	95.8	96.1	96.1	96.3	96.3	96.5	96.5	96.5	96.5
GE 400	81.1	86.1	88.9	92.0	94.2	95.8	96.9	97.4	97.7	97.8	98.1	98.1	98.2	98.2	98.2	98.2
GE 300	81.1	86.1	88.9	92.0	94.2	95.8	96.9	97.4	97.8	98.1	98.7	98.7	99.0	99.0	99.0	99.0
GE 200	81.1	86.1	88.9	92.0	94.2	95.8	97.1	97.6	98.1	98.4	99.2	99.2	99.6	99.6	99.9	99.9
GE 100	81.1	86.1	88.9	92.0	94.2	95.8	97.1	97.6	98.1	98.4	99.2	99.2	99.6	99.6	99.9	99.9
GE 000	81.1	86.1	88.9	92.0	94.2	95.8	97.1	97.6	98.1	98.4	99.2	99.2	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 20000	52.2	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 18000	52.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 16000	52.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 14000	52.8	54.2	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	53.3	54.7	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	56.6	58.0	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000	56.6	58.0	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	61.7	63.3	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 7000	62.9	64.5	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 6000	63.4	65.2	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 5000	65.9	67.7	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500	67.2	69.2	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000	71.9	74.2	75.3	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3500	76.5	78.8	79.9	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	79.1	81.7	82.9	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	80.9	83.5	84.9	85.6	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2000	81.1	83.8	85.2	86.0	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	81.1	83.8	85.2	86.0	86.1	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1500	81.4	84.4	85.8	86.9	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1200	82.2	85.4	87.0	88.1	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1000	82.3	85.8	87.5	88.6	89.1	89.5	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 900	82.5	86.0	87.8	89.4	90.1	90.6	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	82.6	86.3	88.4	90.1	91.0	91.6	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 700	82.7	86.7	88.8	90.6	91.9	92.6	93.0	93.2	93.3	93.3	93.4	93.4	93.7	93.7	93.7	93.7
GE 600	82.7	86.7	88.8	90.6	92.0	93.0	93.8	94.4	94.5	94.5	94.6	94.6	94.8	94.8	94.8	94.8
GE 500	82.7	86.7	89.2	91.8	93.4	94.5	95.4	96.0	96.1	96.2	96.3	96.3	96.6	96.6	96.6	96.6
GE 400	82.7	86.8	89.5	92.2	93.8	94.9	95.9	96.7	96.8	96.9	97.0	97.0	97.4	97.4	97.4	97.4
GE 300	82.7	86.8	89.6	92.4	94.2	95.5	96.6	97.5	97.6	97.8	98.1	98.1	98.5	98.5	98.5	98.5
GE 200	82.7	86.8	89.6	92.4	94.2	95.6	96.9	98.0	98.1	98.3	98.5	98.5	99.2	99.2	99.4	99.4
GE 100	82.7	86.8	89.6	92.4	94.2	95.6	96.9	98.0	98.1	98.3	98.5	98.5	99.4	99.7	99.9	100.0
GE 000	82.7	86.8	89.6	92.4	94.2	95.6	96.9	98.0	98.1	98.3	98.5	98.5	99.4	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.5	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 20000	56.8	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 18000	56.8	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 16000	56.8	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 14000	57.1	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 12000	57.8	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10000	60.9	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 9000	61.1	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	66.8	68.3	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 7000	68.5	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 6000	68.7	70.3	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 5000	71.0	72.8	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	72.8	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	74.9	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3500	78.2	80.8	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3000	81.2	84.1	84.6	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	82.0	84.9	85.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	82.3	85.4	86.1	86.7	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1800	82.3	85.4	86.2	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1500	82.5	85.6	86.6	87.1	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1200	82.7	86.0	87.0	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1000	83.0	86.3	87.3	88.1	88.8	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
GE 900	83.4	86.8	87.8	89.2	90.3	90.5	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 800	83.7	87.0	88.1	89.6	91.0	91.2	91.5	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	83.7	87.1	88.2	89.7	91.6	91.8	92.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 600	83.7	87.1	88.2	90.0	92.7	93.3	93.8	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 500	83.9	87.4	88.8	91.1	94.4	95.2	95.7	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
GE 400	84.0	87.5	88.9	91.6	95.1	95.8	96.7	96.9	97.0	97.3	97.6	97.6	97.8	97.8	97.8	97.8
GE 300	84.3	88.0	89.5	92.4	95.8	96.7	97.6	97.8	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0
GE 200	84.3	88.0	89.5	92.4	95.9	96.8	97.7	98.0	98.1	98.4	98.8	98.8	99.1	99.1	99.2	99.4
GE 100	84.3	88.0	89.5	92.4	95.9	96.8	97.8	98.1	98.2	98.5	98.9	98.9	99.2	99.4	99.9	100.0
GE 000	84.3	88.0	89.5	92.4	95.9	96.8	97.8	98.1	98.2	98.5	98.9	98.9	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.6	52.6	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 20000	58.1	59.0	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	58.1	59.0	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 16000	58.1	59.0	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000	58.2	59.1	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 12000	58.8	59.8	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 10000	61.4	62.4	62.9	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 9000	61.8	62.8	63.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 8000	65.6	66.8	67.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 7000	67.4	68.6	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 6000	67.7	68.9	69.8	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 5000	70.2	71.4	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4500	72.6	74.0	74.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4000	74.5	76.5	77.5	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3500	76.6	78.6	79.7	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3000	78.7	81.3	82.6	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	79.2	81.9	83.4	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2000	79.7	82.5	84.3	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1800	79.7	82.5	84.3	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1500	80.2	83.0	84.8	86.3	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1200	80.5	83.8	85.6	87.1	87.6	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1000	81.1	84.4	86.2	88.0	88.5	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 900	81.7	85.3	87.1	88.9	89.5	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 800	81.8	85.4	87.3	89.5	90.1	90.2	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 700	81.9	85.5	87.4	89.6	90.5	90.6	91.4	92.0	92.0	92.2	92.4	92.5	92.5	92.5	92.5	92.5
GE 600	81.9	85.5	87.5	90.0	91.3	91.4	92.8	93.7	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1
GE 500	82.0	85.6	87.6	90.2	91.6	92.0	94.0	94.8	94.8	94.9	95.2	95.3	95.3	95.3	95.3	95.3
GE 400	82.0	85.9	88.0	90.6	92.4	92.8	94.9	96.1	96.1	96.5	96.7	96.8	96.8	96.8	96.8	96.8
GE 300	82.0	85.9	88.0	90.8	92.9	93.5	95.8	97.0	97.0	97.4	97.7	97.8	97.8	97.8	97.8	97.8
GE 200	82.0	85.9	88.0	90.8	92.9	93.5	96.0	97.6	97.6	98.3	98.8	99.0	99.5	99.5	99.7	99.7
GE 100	82.0	85.9	88.0	90.8	92.9	93.5	96.0	97.6	97.6	98.3	98.8	99.0	99.5	99.5	99.8	99.8
GE 000	82.0	85.9	88.0	90.8	92.9	93.5	96.0	97.6	97.6	98.3	98.8	99.0	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	48.0	48.4	48.7	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 20000	52.4	54.4	54.9	55.3	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 18000	52.5	54.6	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	52.5	54.6	55.1	55.4	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	52.7	54.7	55.2	55.6	55.8	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	53.2	55.3	55.8	56.2	56.3	56.4	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
GE 10000	56.0	58.3	58.9	59.3	59.4	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	56.2	58.5	59.1	59.5	59.7	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 8000	60.3	62.8	63.5	64.1	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
GE 7000	61.5	64.1	64.8	65.3	65.6	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0
GE 6000	62.0	64.6	65.4	65.9	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 5000	64.0	66.7	67.6	68.2	68.4	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4500	66.8	69.8	70.7	71.4	71.7	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
GE 4000	69.8	73.1	74.2	75.0	75.3	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
GE 3500	72.6	76.1	77.2	78.1	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
GE 3000	75.6	79.5	81.0	82.0	82.6	82.8	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2500	76.6	80.6	82.3	83.4	84.0	84.2	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6
GE 2000	77.1	81.2	83.1	84.3	84.9	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7
GE 1800	77.2	81.4	83.3	84.5	85.1	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9
GE 1500	77.8	82.2	84.2	85.5	86.2	86.5	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1
GE 1200	78.3	82.8	84.9	86.3	87.1	87.5	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.1
GE 1000	78.7	83.3	85.5	87.0	88.0	88.5	88.9	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 900	78.9	83.7	85.9	87.6	88.9	89.4	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3
GE 800	79.1	83.9	86.2	88.1	89.6	90.1	90.7	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.3
GE 700	79.2	84.2	86.6	88.6	90.3	91.0	91.7	92.0	92.0	92.2	92.3	92.3	92.4	92.4	92.4	92.5
GE 600	79.3	84.3	87.0	89.2	91.2	92.0	92.9	93.4	93.5	93.6	93.8	93.8	93.9	93.9	93.9	94.0
GE 500	79.4	84.5	87.3	89.8	92.2	93.1	94.3	94.8	95.0	95.2	95.3	95.4	95.4	95.4	95.5	95.5
GE 400	79.4	84.6	87.5	90.2	92.8	93.9	95.3	95.9	96.1	96.4	96.6	96.6	96.7	96.7	96.8	96.8
GE 300	79.5	84.7	87.6	90.5	93.2	94.4	96.0	96.7	97.0	97.4	97.7	97.8	98.0	98.0	98.1	98.1
GE 200	79.5	84.7	87.7	90.5	93.3	94.5	96.3	97.1	97.4	97.9	98.4	98.5	98.9	99.0	99.2	99.3
GE 100	79.5	84.7	87.7	90.5	93.3	94.5	96.3	97.2	97.4	97.9	98.4	98.5	98.9	99.1	99.5	99.8
GE 000	79.5	84.7	87.7	90.5	93.3	94.5	96.3	97.2	97.4	97.9	98.4	98.5	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.8	50.9	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.4	52.6	52.6	52.7	52.7	52.9	53.0
GE 20000	52.6	55.1	55.9	56.3	56.6	56.6	56.6	56.6	56.6	56.8	56.9	56.9	57.0	57.0	57.2	57.3
GE 18000	52.6	55.1	55.9	56.3	56.6	56.6	56.6	56.6	56.6	56.8	56.9	56.9	57.0	57.0	57.2	57.3
GE 16000	52.6	55.1	55.9	56.3	56.6	56.6	56.6	56.6	56.6	56.8	56.9	56.9	57.0	57.0	57.2	57.3
GE 14000	52.9	55.4	56.2	56.7	56.9	56.9	56.9	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.6	57.7
GE 12000	53.7	56.2	57.0	57.6	57.8	57.8	57.8	57.8	57.8	58.0	58.1	58.1	58.2	58.2	58.4	58.6
GE 10000	55.6	58.2	59.0	59.6	59.8	59.8	59.8	59.8	59.8	60.0	60.1	60.1	60.2	60.2	60.4	60.6
GE 9000	55.6	58.2	59.0	59.6	59.8	59.8	59.8	59.8	59.8	60.0	60.1	60.1	60.2	60.2	60.4	60.6
GE 8000	59.3	62.4	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.6	64.7	64.7	64.8	64.8	65.0	65.1
GE 7000	60.1	63.2	64.1	64.8	65.1	65.1	65.1	65.1	65.1	65.3	65.4	65.4	65.6	65.6	65.8	65.9
GE 6000	60.4	63.6	64.4	65.1	65.4	65.4	65.4	65.4	65.4	65.7	65.8	65.8	65.9	65.9	66.1	66.2
GE 5000	62.6	66.0	67.0	67.8	68.1	68.1	68.1	68.1	68.1	68.3	68.4	68.4	68.6	68.6	68.8	68.9
GE 4500	63.9	67.7	68.7	69.4	69.8	69.8	69.8	69.8	69.8	70.0	70.1	70.1	70.2	70.2	70.4	70.6
GE 4000	65.8	70.0	71.8	72.7	73.1	73.2	73.2	73.2	73.2	73.4	73.6	73.6	73.7	73.7	73.9	74.0
GE 3500	67.4	71.9	74.1	75.0	75.7	75.8	75.8	75.8	75.8	76.1	76.2	76.2	76.3	76.3	76.6	76.7
GE 3000	68.7	73.9	76.3	77.3	78.0	78.1	78.1	78.1	78.1	78.4	78.6	78.6	78.7	78.7	78.9	79.0
GE 2500	69.6	74.9	77.4	78.7	79.4	79.7	79.7	79.7	79.7	80.0	80.1	80.1	80.2	80.2	80.4	80.6
GE 2000	70.7	76.0	78.6	80.1	81.0	81.2	81.2	81.2	81.2	81.7	81.8	81.8	81.9	81.9	82.1	82.2
GE 1800	70.7	76.0	78.6	80.1	81.0	81.2	81.2	81.2	81.2	81.7	81.8	81.8	81.9	81.9	82.1	82.2
GE 1500	71.0	76.6	79.1	80.7	81.6	81.8	81.8	81.8	81.8	82.2	82.3	82.3	82.6	82.6	82.8	82.9
GE 1200	72.1	77.9	80.6	82.7	83.6	83.8	83.8	83.8	83.8	84.2	84.3	84.3	84.6	84.6	84.8	84.9
GE 1000	72.7	78.7	81.3	83.7	84.7	85.0	85.1	85.3	85.3	85.8	85.9	85.9	86.1	86.1	86.3	86.4
GE 900	73.0	79.0	81.7	84.1	85.2	85.6	85.7	85.9	85.9	86.3	86.4	86.4	86.7	86.7	86.9	87.0
GE 800	73.0	79.3	82.0	84.4	85.8	86.1	86.2	86.4	86.4	86.9	87.0	87.0	87.2	87.2	87.4	87.6
GE 700	73.0	79.4	82.2	84.7	86.1	86.4	86.7	86.9	86.9	87.3	87.4	87.4	87.7	87.7	87.9	88.0
GE 600	73.2	79.7	82.4	85.0	86.6	87.0	87.7	87.9	87.9	88.3	88.4	88.4	88.8	88.8	89.0	89.1
GE 500	73.4	80.3	83.1	85.8	87.7	88.2	89.4	89.7	89.7	90.2	90.4	90.4	90.8	90.8	91.0	91.1
GE 400	73.4	80.3	83.1	86.2	88.3	89.1	90.9	91.3	91.3	92.1	92.4	92.4	92.8	92.8	93.0	93.1
GE 300	73.6	80.4	83.2	86.3	88.7	89.8	92.2	93.1	93.2	94.2	94.7	94.7	95.0	95.0	95.6	95.7
GE 200	73.6	80.4	83.2	86.4	89.0	90.1	92.8	93.8	94.1	95.3	96.3	96.3	97.4	97.4	98.1	98.2
GE 100	73.6	80.4	83.2	86.4	89.0	90.1	92.8	93.8	94.1	95.4	96.6	96.6	97.8	98.0	99.0	99.4
GE 000	73.6	80.4	83.2	86.4	89.0	90.1	92.8	93.8	94.1	95.4	96.6	96.6	97.8	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	47.4	48.9	50.0	50.3	50.4	50.7	50.7	50.7	50.7	50.8	50.8	50.9	50.9	51.2	51.3
GE 20000	48.3	52.4	53.9	55.0	55.3	55.4	55.7	55.7	55.7	55.8	55.9	55.9	56.0	56.0	56.4	56.6
GE 18000	48.3	52.4	53.9	55.0	55.3	55.4	55.7	55.7	55.7	55.8	55.9	55.9	56.0	56.0	56.4	56.6
GE 16000	48.3	52.4	53.9	55.0	55.3	55.4	55.7	55.7	55.7	55.8	55.9	55.9	56.0	56.0	56.4	56.6
GE 14000	48.4	52.6	54.0	55.1	55.4	55.6	55.8	55.8	55.8	55.9	56.0	56.0	56.1	56.1	56.6	56.7
GE 12000	49.1	53.2	54.7	55.8	56.1	56.2	56.4	56.4	56.4	56.6	56.7	56.7	56.8	56.8	57.2	57.3
GE 10000	51.7	56.2	57.7	58.8	59.1	59.2	59.4	59.4	59.4	59.6	59.7	59.7	59.8	59.8	60.2	60.3
GE 9000	51.7	56.2	57.7	58.8	59.1	59.2	59.4	59.4	59.4	59.6	59.7	59.7	59.8	59.8	60.2	60.3
GE 8000	54.3	58.9	60.4	61.8	62.1	62.2	62.4	62.4	62.4	62.6	62.7	62.7	62.8	62.8	63.2	63.3
GE 7000	55.1	59.7	61.2	62.6	62.9	63.0	63.2	63.2	63.2	63.3	63.4	63.4	63.6	63.6	64.0	64.1
GE 6000	55.7	60.2	61.8	63.1	63.4	63.6	63.8	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.6	64.7
GE 5000	58.3	63.2	64.8	66.1	66.4	66.6	66.8	66.8	66.8	66.9	67.0	67.0	67.1	67.1	67.6	67.7
GE 4500	59.3	64.6	66.1	67.4	67.8	67.9	68.1	68.1	68.1	68.2	68.3	68.3	68.4	68.4	68.9	69.0
GE 4000	60.8	66.3	68.2	69.6	70.0	70.1	70.3	70.3	70.3	70.4	70.6	70.6	70.7	70.7	71.1	71.2
GE 3500	62.1	67.8	69.7	71.0	71.4	71.6	71.8	71.8	71.8	71.9	72.0	72.0	72.1	72.1	72.6	72.7
GE 3000	63.3	69.8	72.0	73.6	74.1	74.2	74.6	74.7	74.7	74.8	74.9	74.9	75.0	75.0	75.4	75.6
GE 2500	65.2	72.1	74.6	76.4	77.0	77.1	77.4	77.6	77.6	77.7	77.8	77.8	77.9	77.9	78.3	78.4
GE 2000	66.9	74.0	76.4	78.4	79.2	79.4	79.8	79.9	79.9	80.0	80.1	80.1	80.2	80.2	80.7	80.8
GE 1800	67.1	74.2	76.7	78.8	79.6	79.8	80.1	80.2	80.2	80.3	80.4	80.4	80.6	80.6	81.0	81.1
GE 1500	67.3	74.6	77.1	79.6	80.3	80.7	81.1	81.3	81.3	81.4	81.6	81.6	81.7	81.7	82.1	82.2
GE 1200	67.8	75.2	78.1	80.8	81.7	82.0	82.7	82.9	82.9	83.1	83.2	83.2	83.3	83.3	83.8	83.9
GE 1000	67.9	75.6	78.6	81.2	82.2	82.6	83.3	83.6	83.7	83.9	84.0	84.0	84.1	84.1	84.6	84.7
GE 900	68.4	76.2	79.2	82.1	83.3	83.7	84.4	84.8	84.9	85.1	85.2	85.2	85.3	85.3	85.8	85.9
GE 800	68.9	76.7	79.9	82.8	84.1	84.4	85.2	85.6	85.7	85.9	86.0	86.0	86.1	86.1	86.6	86.7
GE 700	69.1	77.2	80.7	83.6	84.9	85.2	86.2	86.6	86.7	86.9	87.1	87.1	87.2	87.2	87.7	87.8
GE 600	69.1	77.4	81.3	84.3	86.6	86.9	88.0	88.3	88.4	88.7	88.9	88.9	89.0	89.0	89.4	89.6
GE 500	69.3	77.7	81.6	84.8	87.3	88.1	89.2	90.0	90.2	90.6	90.9	90.9	91.1	91.1	91.6	91.7
GE 400	69.4	78.1	82.0	85.3	88.1	89.0	90.3	91.6	92.0	92.3	92.8	92.8	93.0	93.0	93.4	93.6
GE 300	69.6	78.2	82.4	85.8	88.8	89.7	91.8	93.1	93.6	94.2	94.9	94.9	95.4	95.4	96.1	96.2
GE 200	69.6	78.2	82.4	85.8	88.8	89.7	92.0	93.7	94.2	95.0	96.2	96.2	97.1	97.1	97.9	98.0
GE 100	69.6	78.2	82.4	85.8	88.8	89.7	92.0	93.7	94.2	95.0	96.6	96.6	97.7	97.9	98.9	99.9
GE 000	69.6	78.2	82.4	85.8	88.8	89.7	92.0	93.7	94.2	95.0	96.6	96.6	97.7	97.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.3	39.6	40.9	41.3	41.8	42.2	42.3	42.4	42.4	42.6	42.6	42.6	42.7	42.7	42.8	43.1
GE 20000	41.9	44.4	46.0	46.6	47.1	47.6	47.7	47.8	47.8	47.9	47.9	47.9	48.0	48.0	48.1	48.4
GE 18000	42.2	44.8	46.3	46.9	47.4	47.9	48.0	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4	48.8
GE 16000	42.2	44.8	46.3	46.9	47.4	47.9	48.0	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4	48.8
GE 14000	42.2	44.9	46.4	47.0	47.6	48.0	48.1	48.2	48.2	48.3	48.3	48.3	48.4	48.4	48.6	48.9
GE 12000	43.2	45.9	47.4	48.0	48.6	49.0	49.1	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.6	49.9
GE 10000	45.3	49.0	50.7	51.2	51.8	52.2	52.3	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.8	53.1
GE 9000	45.4	49.1	50.8	51.3	51.9	52.3	52.4	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	53.2
GE 8000	49.7	53.7	55.7	56.4	57.1	57.6	57.7	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.1	58.4
GE 7000	51.4	55.8	57.8	58.6	59.2	59.7	59.8	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.2	60.6
GE 6000	51.9	56.3	58.3	59.1	59.8	60.2	60.3	60.4	60.4	60.6	60.6	60.6	60.7	60.7	60.8	61.1
GE 5000	53.6	58.0	60.1	61.1	62.0	62.4	62.6	62.7	62.7	62.8	62.8	62.8	63.0	63.0	63.1	63.4
GE 4500	55.3	60.2	62.4	63.6	64.4	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.4	65.4	65.6	65.9
GE 4000	57.8	63.7	66.3	67.6	68.4	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.4	69.4	69.6	69.9
GE 3500	59.6	65.9	68.8	70.1	71.1	71.7	71.8	71.9	71.9	72.0	72.0	72.0	72.2	72.2	72.3	72.7
GE 3000	60.4	67.6	70.8	72.2	73.3	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.4	74.4	74.7	75.0
GE 2500	61.6	68.9	72.2	73.8	75.2	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.3	76.3	76.6	76.9
GE 2000	62.6	70.0	73.4	75.2	76.7	77.3	77.4	77.7	77.7	77.8	77.8	77.8	78.0	78.0	78.2	78.6
GE 1800	62.8	70.2	73.7	75.4	76.9	77.6	77.8	78.0	78.0	78.1	78.1	78.1	78.3	78.3	78.6	78.9
GE 1500	63.1	70.9	74.4	76.4	78.1	78.8	79.0	79.2	79.2	79.3	79.3	79.3	79.6	79.6	79.8	80.1
GE 1200	63.4	71.9	75.7	77.8	79.8	80.7	80.9	81.2	81.2	81.3	81.3	81.3	81.6	81.6	81.8	82.1
GE 1000	63.4	72.3	76.3	78.8	80.9	81.8	82.1	82.7	82.7	82.8	82.9	82.9	83.1	83.1	83.3	83.7
GE 900	63.4	72.3	76.6	79.3	81.4	82.3	82.8	83.4	83.4	83.6	83.7	83.7	83.9	83.9	84.1	84.4
GE 800	63.9	72.8	77.1	80.2	83.0	84.1	84.8	85.7	85.8	85.9	86.0	86.0	86.3	86.3	86.6	86.9
GE 700	63.9	72.9	77.2	80.4	83.3	84.6	85.3	86.6	86.7	87.0	87.1	87.1	87.4	87.4	87.7	88.0
GE 600	64.0	73.4	77.9	81.3	84.7	86.1	87.0	88.2	88.3	89.0	89.2	89.2	89.6	89.6	89.8	90.1
GE 500	64.2	73.7	78.2	81.8	85.4	87.2	88.6	90.0	90.2	91.0	91.2	91.2	91.7	91.8	92.0	92.3
GE 400	64.3	73.8	78.3	81.9	85.7	87.4	89.1	90.9	91.1	92.2	92.7	92.7	93.1	93.2	93.4	93.8
GE 300	64.3	73.8	78.4	82.2	86.2	88.3	90.6	92.7	93.0	94.4	95.4	95.4	95.9	96.0	96.2	96.7
GE 200	64.3	73.8	78.4	82.2	86.2	88.4	90.8	93.3	93.7	95.3	96.7	96.7	97.8	98.0	98.2	98.7
GE 100	64.3	73.8	78.4	82.2	86.2	88.4	90.9	93.4	93.8	95.4	96.8	96.8	98.0	98.2	98.9	99.8
GE 000	64.3	73.8	78.4	82.2	86.2	88.4	90.9	93.4	93.8	95.4	96.8	96.8	98.0	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.9	40.6	41.4	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 20000	46.0	47.0	48.1	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 18000	46.2	47.2	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 16000	46.2	47.2	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 14000	46.2	47.2	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 12000	47.1	48.1	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 10000	49.9	50.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 9000	49.9	50.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 8000	55.0	56.3	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	56.2	57.6	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 6000	56.6	58.4	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 5000	58.9	60.9	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 4500	60.4	62.9	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4000	65.0	68.0	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 3500	67.4	71.0	72.7	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000	71.0	74.7	76.9	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 2500	72.1	75.9	78.3	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	73.3	77.1	79.7	80.8	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	73.4	77.2	79.8	80.9	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1500	74.8	78.9	81.7	83.1	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1200	75.0	79.6	82.4	83.9	85.2	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1000	75.3	79.9	83.4	85.4	86.8	87.0	87.0	87.1	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.4
GE 900	75.6	80.1	83.8	85.9	87.2	87.6	87.6	87.7	87.8	87.8	87.9	87.9	88.0	88.0	88.0	88.0
GE 800	76.0	80.6	84.8	87.3	88.8	89.1	89.1	89.4	89.6	89.6	89.8	89.8	89.9	89.9	89.9	89.9
GE 700	76.1	80.8	85.4	88.3	90.1	90.7	91.1	91.6	91.7	91.7	92.0	92.0	92.1	92.1	92.1	92.1
GE 600	76.1	80.8	85.6	88.8	91.4	92.3	92.8	93.2	93.3	93.3	93.7	93.7	93.8	93.8	93.8	93.8
GE 500	76.7	81.6	86.3	89.9	92.8	94.3	95.3	96.0	96.1	96.1	96.7	96.7	96.8	96.8	96.8	96.8
GE 400	76.7	81.7	86.4	90.1	93.9	95.6	96.8	97.4	97.6	97.6	98.1	98.1	98.2	98.2	98.2	98.2
GE 300	76.7	81.7	86.7	90.4	94.2	96.0	97.4	98.4	98.6	98.7	99.3	99.4	99.6	99.6	99.6	99.6
GE 200	76.7	81.7	86.7	90.4	94.2	96.0	97.4	98.4	98.6	98.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	76.7	81.7	86.7	90.4	94.2	96.0	97.4	98.4	98.6	98.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	76.7	81.7	86.7	90.4	94.2	96.0	97.4	98.4	98.6	98.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.4	39.7	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 20000	45.4	47.2	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 18000	45.9	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 16000	45.9	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 14000	46.1	47.9	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 12000	46.8	48.6	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 10000	49.4	51.2	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 9000	49.7	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 8000	54.9	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 7000	56.0	58.1	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000	56.4	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	58.4	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 4500	60.0	62.2	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 4000	65.8	68.7	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 3500	69.3	72.3	73.0	73.2	73.2	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3000	74.3	77.9	79.1	79.4	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2500	76.6	81.4	82.9	83.2	83.2	83.3	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 2000	77.9	83.1	85.0	85.3	85.3	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1800	78.1	83.4	85.3	85.8	85.9	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	78.9	85.0	86.9	87.6	87.7	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1200	79.2	85.6	87.6	88.3	88.6	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	79.7	86.3	88.6	90.0	90.4	90.7	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 900	79.7	86.3	88.8	90.6	91.0	91.2	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 800	79.8	86.8	89.6	91.6	92.3	92.7	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 700	79.9	86.9	90.0	92.3	93.3	93.7	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	80.0	87.1	90.2	92.6	94.1	94.4	95.0	95.4	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1
GE 500	80.3	87.6	90.7	93.4	95.3	95.7	96.9	97.6	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 400	80.4	87.7	90.8	93.7	95.7	96.6	97.8	98.4	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 300	80.6	87.8	90.9	93.8	95.9	96.8	98.0	98.9	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	80.6	87.8	90.9	93.8	96.0	96.9	98.2	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	80.6	87.8	90.9	93.8	96.0	96.9	98.2	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	80.6	87.8	90.9	93.8	96.0	96.9	98.2	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.9	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 20000	47.8	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 18000	47.8	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 16000	47.8	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 14000	48.0	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	49.0	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 10000	51.0	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 9000	51.0	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 8000	55.4	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 7000	56.4	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 6000	56.7	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	59.7	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4500	61.9	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4000	66.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 3500	70.8	74.6	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3000	76.3	80.7	80.8	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	77.9	82.6	82.8	83.6	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2000	79.1	84.2	84.8	85.7	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1800	79.1	84.3	85.0	85.9	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1500	79.7	85.0	86.0	87.1	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1200	80.2	85.9	87.1	88.2	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1000	80.2	86.2	88.1	89.9	91.3	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 900	80.2	86.2	88.1	90.0	91.7	92.0	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 800	81.1	87.1	89.0	91.1	92.8	93.2	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 700	81.2	87.3	89.3	91.7	93.4	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	81.4	87.7	89.9	92.2	94.4	95.0	95.2	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 500	81.4	87.7	90.0	92.4	95.3	96.1	96.4	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 400	81.6	87.8	90.1	92.6	95.7	96.8	97.3	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	81.7	88.0	90.3	92.8	96.1	97.4	98.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	81.7	88.0	90.3	92.8	96.1	97.6	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.7	88.0	90.3	92.8	96.1	97.6	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.7	88.0	90.3	92.8	96.1	97.6	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 20000	52.9	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	52.9	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	52.9	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	53.0	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 12000	53.3	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	55.2	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 9000	55.7	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 8000	59.9	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 7000	61.1	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 6000	61.8	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 5000	63.7	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	65.7	69.2	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	67.8	71.7	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3500	70.9	74.9	75.4	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	74.6	80.2	80.9	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	76.2	82.0	83.0	83.3	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2000	77.2	83.1	84.1	84.6	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1800	77.7	83.8	84.8	85.2	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	78.4	84.9	85.9	86.4	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1200	78.9	85.3	86.3	87.0	88.1	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1000	79.2	85.8	86.9	87.8	89.4	89.8	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 900	79.3	86.1	87.2	88.1	90.0	90.3	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	79.7	86.4	87.6	88.7	90.6	91.0	91.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 700	79.9	86.7	87.8	89.1	91.2	91.8	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 600	79.9	86.8	87.9	89.3	91.7	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 500	80.1	87.0	88.2	89.7	92.6	93.3	94.1	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 400	80.2	87.1	88.3	90.0	93.1	94.2	95.1	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 300	80.2	87.1	88.3	90.0	93.2	94.6	95.9	97.0	97.1	97.8	98.0	98.2	98.2	98.2	98.2	98.2
GE 200	80.2	87.1	88.3	90.0	93.2	94.6	96.1	97.6	97.7	98.4	98.8	99.0	99.1	99.3	99.4	99.4
GE 100	80.2	87.1	88.3	90.0	93.2	94.6	96.1	97.6	97.7	98.4	98.8	99.0	99.3	99.6	99.9	100.0
GE 000	80.2	87.1	88.3	90.0	93.2	94.6	96.1	97.6	97.7	98.4	98.8	99.0	99.3	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.6	51.0	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	54.1	56.0	57.3	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 18000	54.1	56.0	57.3	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 16000	54.1	56.0	57.3	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 14000	54.3	56.2	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 12000	54.8	56.7	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 10000	55.9	57.8	59.1	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	56.1	58.0	59.3	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 8000	60.3	62.9	64.6	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	60.7	63.2	64.9	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 6000	61.1	63.8	65.4	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 5000	63.0	66.0	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4500	65.1	68.1	69.9	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4000	67.6	70.8	72.8	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500	69.3	72.9	74.9	75.6	75.8	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1
GE 3000	73.4	77.3	79.6	80.2	80.6	80.7	80.7	80.8	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	74.7	78.7	81.1	82.1	82.4	82.7	82.7	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1
GE 2000	75.1	79.1	81.6	82.8	83.1	83.3	83.3	83.4	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8
GE 1800	75.8	79.8	82.2	83.4	83.8	84.0	84.0	84.1	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500	76.6	80.6	83.3	84.8	85.2	85.4	85.4	85.6	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9
GE 1200	76.7	81.1	83.9	85.4	86.1	86.3	86.6	86.7	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0
GE 1000	76.8	81.2	84.2	86.1	87.1	87.3	87.7	87.9	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2
GE 900	76.8	81.2	84.2	86.1	87.4	87.7	88.0	88.2	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6
GE 800	77.2	81.7	84.7	86.6	88.0	88.2	88.9	89.1	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 700	77.4	81.9	84.9	86.8	88.9	89.1	89.8	90.1	90.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6
GE 600	77.6	82.0	85.0	87.1	89.4	89.9	90.6	90.9	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3
GE 500	77.9	82.4	85.9	88.0	91.0	91.6	92.8	93.1	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 400	77.9	82.4	86.0	88.1	91.3	92.3	93.6	94.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4
GE 300	77.9	82.4	86.0	88.3	91.7	92.7	94.0	95.2	95.2	95.6	95.9	96.2	96.2	96.2	96.2	96.2
GE 200	77.9	82.4	86.0	88.3	91.7	92.8	94.6	95.9	95.9	96.4	97.0	97.3	97.6	97.8	97.9	98.0
GE 100	77.9	82.4	86.0	88.3	91.8	93.0	94.9	96.2	96.2	97.0	97.8	98.1	98.4	98.7	99.0	99.4
GE 000	77.9	82.4	86.0	88.3	91.8	93.0	94.9	96.2	96.2	97.0	97.8	98.1	98.4	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.8	44.5	45.3	45.6	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.1	46.2
GE 20000	48.6	50.8	51.6	52.0	52.2	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.6
GE 18000	48.8	50.9	51.7	52.1	52.3	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.7	52.7
GE 16000	48.8	50.9	51.7	52.1	52.3	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.7	52.7
GE 14000	48.9	51.1	51.9	52.3	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.8	52.9
GE 12000	49.6	51.8	52.6	53.0	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.6	53.6
GE 10000	51.8	54.2	55.0	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.9	56.0
GE 9000	51.9	54.3	55.1	55.5	55.7	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.1	56.1
GE 8000	56.1	58.9	59.8	60.3	60.5	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.9	61.0
GE 7000	57.1	60.0	61.0	61.4	61.7	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.1
GE 6000	57.6	60.6	61.5	62.0	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.6	62.6
GE 5000	59.8	63.0	64.0	64.5	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.2
GE 4500	61.4	64.9	66.0	66.6	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.2	67.3
GE 4000	64.6	68.6	70.0	70.6	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.3
GE 3500	67.1	71.4	72.9	73.6	73.9	74.0	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.4	74.5
GE 3000	70.3	75.3	77.0	77.9	78.3	78.5	78.6	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.9	79.0
GE 2500	71.7	77.1	79.0	80.1	80.6	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.3	81.4
GE 2000	72.8	78.3	80.4	81.6	82.3	82.6	82.7	82.7	82.7	82.8	82.9	82.9	82.9	82.9	83.1	83.1
GE 1800	73.1	78.6	80.8	81.9	82.7	83.0	83.1	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.5	83.5
GE 1500	73.7	79.5	81.8	83.2	84.1	84.4	84.5	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.0
GE 1200	74.2	80.3	82.7	84.3	85.3	85.7	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.3	86.4
GE 1000	74.4	80.8	83.4	85.4	86.6	87.0	87.3	87.5	87.6	87.7	87.8	87.8	87.9	87.9	88.0	88.0
GE 900	74.6	80.9	83.7	85.8	87.2	87.5	87.8	88.1	88.2	88.3	88.4	88.4	88.5	88.5	88.6	88.7
GE 800	74.9	81.4	84.3	86.6	88.2	88.6	89.0	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.8	89.9
GE 700	75.1	81.6	84.7	87.1	88.9	89.4	89.9	90.4	90.5	90.6	90.8	90.8	90.8	90.8	91.0	91.0
GE 600	75.2	81.9	85.0	87.6	89.9	90.5	91.1	91.6	91.7	92.0	92.1	92.1	92.2	92.2	92.3	92.4
GE 500	75.4	82.2	85.5	88.2	90.9	91.8	92.8	93.5	93.6	93.9	94.1	94.1	94.3	94.3	94.4	94.5
GE 400	75.5	82.4	85.6	88.5	91.5	92.6	93.9	94.7	94.8	95.2	95.5	95.5	95.6	95.7	95.8	95.8
GE 300	75.6	82.4	85.8	88.7	91.8	93.2	94.8	96.0	96.2	96.8	97.2	97.3	97.5	97.5	97.7	97.8
GE 200	75.6	82.4	85.8	88.7	91.9	93.3	95.1	96.4	96.6	97.4	98.1	98.2	98.6	98.7	98.9	99.0
GE 100	75.6	82.4	85.8	88.7	91.9	93.3	95.1	96.5	96.7	97.5	98.3	98.3	98.9	99.0	99.5	99.8
GE 000	75.6	82.4	85.8	88.7	91.9	93.3	95.1	96.5	96.7	97.5	98.3	98.3	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, SHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.5	41.7	43.4	44.4	45.6	45.6	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.3
GE 20000	43.9	46.6	48.5	49.8	51.3	51.4	51.8	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.2	52.3
GE 18000	43.9	46.6	48.5	49.8	51.3	51.4	51.8	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.2	52.3
GE 16000	43.9	46.6	48.5	49.8	51.3	51.4	51.8	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.2	52.3
GE 14000	43.9	46.6	48.6	49.9	51.4	51.5	51.9	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.3	52.4
GE 12000	44.2	47.0	49.0	50.3	51.9	52.0	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.9
GE 10000	47.2	50.3	52.7	54.1	56.0	56.1	56.6	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.9	57.0
GE 9000	47.2	50.3	52.8	54.2	56.1	56.2	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	57.0	57.1
GE 8000	52.7	56.7	59.4	60.8	62.8	62.9	63.4	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.8	63.9
GE 7000	54.4	58.4	61.1	62.5	64.5	64.6	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.5	65.6
GE 6000	54.9	58.9	61.6	63.0	65.1	65.2	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	66.0	66.1
GE 5000	57.1	61.2	64.0	65.6	67.6	67.7	68.3	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.6	68.7
GE 4500	58.7	62.9	65.9	67.5	69.6	69.7	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.5	70.6
GE 4000	61.6	66.5	69.8	71.5	73.7	73.8	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.6	74.7
GE 3500	63.7	68.5	71.9	73.8	75.9	76.0	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.9	77.0
GE 3000	64.8	70.4	74.3	76.5	78.6	78.7	79.2	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.6	79.7
GE 2500	65.5	71.1	75.3	77.6	79.8	79.9	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.8	80.9
GE 2000	66.6	72.4	77.0	79.9	82.4	82.5	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.3	83.4
GE 1800	66.8	72.6	77.2	80.1	82.6	82.7	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.5	83.7
GE 1500	67.6	73.4	78.2	81.2	84.1	84.2	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.1	85.2
GE 1200	67.8	73.8	78.5	81.5	84.5	84.6	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.6	85.7
GE 1000	68.9	74.8	79.8	82.9	85.9	86.0	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.1
GE 900	68.9	74.8	79.9	83.0	86.0	86.1	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.1	87.2
GE 800	69.1	75.3	80.3	83.8	86.9	87.1	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.2	88.3
GE 700	69.5	75.6	80.6	84.6	88.0	88.2	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.4	89.5
GE 600	69.7	76.2	81.8	85.8	89.5	89.9	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.2
GE 500	70.0	76.7	82.4	86.5	90.5	91.0	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.2	92.3
GE 400	70.1	77.2	82.9	87.3	91.8	92.4	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.9	94.0
GE 300	70.1	77.3	83.2	87.6	92.4	93.0	94.5	94.1	95.1	95.4	95.4	95.4	95.4	95.4	95.6	95.7
GE 200	70.1	77.3	83.2	87.8	92.9	93.8	95.5	96.1	96.1	96.6	96.7	96.7	96.9	97.0	97.2	97.5
GE 100	70.1	77.3	83.2	88.0	93.2	94.1	95.8	96.5	96.5	97.2	97.5	97.5	97.7	98.0	98.7	99.7
GE 000	70.1	77.3	83.2	88.0	93.2	94.1	95.8	96.5	96.5	97.2	97.5	97.5	97.8	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.1	38.3	40.8	41.6	43.1	43.4	43.9	44.3	44.3	44.7	45.1	45.1	45.1	45.1	45.2	45.3
GE 20000	37.4	42.4	46.0	47.0	49.0	49.6	50.2	50.9	50.9	51.3	51.6	51.6	51.7	51.7	51.8	51.9
GE 18000	37.6	42.6	46.2	47.2	49.2	49.8	50.4	51.1	51.1	51.5	51.8	51.8	51.9	51.9	52.0	52.2
GE 16000	37.6	42.6	46.2	47.2	49.2	49.8	50.4	51.1	51.1	51.5	51.8	51.8	51.9	51.9	52.0	52.2
GE 14000	37.6	42.6	46.2	47.3	49.4	49.9	50.5	51.2	51.2	51.6	51.9	51.9	52.0	52.0	52.2	52.3
GE 12000	38.1	43.0	46.8	47.8	50.0	50.5	51.2	51.8	51.8	52.3	52.6	52.6	52.7	52.7	52.8	52.9
GE 10000	40.0	45.3	49.1	50.3	52.6	53.1	53.8	54.4	54.4	54.9	55.4	55.4	55.5	55.5	55.6	55.7
GE 9000	40.1	45.4	49.5	50.6	52.9	53.4	54.1	54.7	54.7	55.3	55.7	55.7	55.8	55.8	55.9	56.0
GE 8000	44.5	50.1	55.1	56.8	59.4	59.9	60.5	61.2	61.2	61.7	62.2	62.2	62.3	62.3	62.4	62.5
GE 7000	45.4	51.0	55.9	57.6	60.2	60.8	61.4	62.0	62.0	62.6	63.0	63.0	63.1	63.1	63.2	63.3
GE 6000	45.5	51.2	56.1	58.0	60.5	61.1	61.7	62.4	62.4	62.9	63.3	63.3	63.4	63.4	63.5	63.7
GE 5000	47.2	53.1	58.5	60.9	63.5	64.1	64.7	65.4	65.4	65.9	66.3	66.3	66.5	66.5	66.6	66.7
GE 4500	49.2	55.4	60.9	63.2	65.9	66.5	67.1	67.7	67.7	68.3	68.7	68.7	68.8	68.8	68.9	69.0
GE 4000	51.3	57.7	63.5	66.2	69.2	69.9	70.8	71.4	71.4	72.0	72.5	72.5	72.6	72.6	72.7	72.8
GE 3500	52.6	59.1	64.9	67.7	71.2	71.8	72.7	73.4	73.4	74.1	74.5	74.5	74.6	74.6	74.7	74.8
GE 3000	53.7	60.3	66.1	69.5	73.0	73.7	74.5	75.3	75.3	75.9	76.3	76.3	76.5	76.5	76.6	76.7
GE 2500	54.0	60.8	66.8	70.2	73.9	74.5	75.6	76.3	76.3	77.0	77.4	77.4	77.5	77.5	77.7	77.8
GE 2000	54.3	61.4	67.6	71.4	75.2	75.8	76.9	77.6	77.6	78.3	78.7	78.7	78.8	78.8	79.0	79.1
GE 1800	54.7	61.9	68.2	72.0	75.9	76.6	77.6	78.4	78.4	79.0	79.5	79.5	79.6	79.6	79.8	79.9
GE 1500	55.3	62.6	69.1	73.1	77.2	77.8	79.0	79.8	79.8	80.4	80.9	80.9	81.0	81.0	81.2	81.3
GE 1200	56.0	63.3	69.9	73.9	78.0	78.7	79.9	80.6	80.6	81.3	81.7	81.7	81.8	81.8	82.0	82.2
GE 1000	56.5	63.9	70.6	74.6	78.7	79.5	80.9	81.6	81.6	82.4	82.8	82.8	82.9	82.9	83.1	83.2
GE 900	56.6	64.0	70.9	74.8	78.9	79.7	81.1	81.8	81.8	82.6	83.0	83.0	83.1	83.1	83.3	83.4
GE 800	56.8	64.5	71.6	75.6	79.7	80.6	82.4	83.1	83.1	83.9	84.3	84.3	84.4	84.4	84.6	84.7
GE 700	56.8	64.6	71.9	76.3	80.4	81.5	83.3	84.2	84.2	84.9	85.4	85.4	85.5	85.5	85.7	85.8
GE 600	57.0	64.9	72.5	77.1	81.3	82.5	84.3	85.2	85.3	86.0	86.5	86.5	86.6	86.6	86.8	86.9
GE 500	57.4	65.5	73.3	78.3	82.8	84.2	86.1	87.0	87.1	87.8	88.3	88.3	88.4	88.4	88.6	88.7
GE 400	57.5	65.6	73.4	78.6	83.8	85.5	87.5	88.4	88.5	89.2	89.7	89.7	89.8	89.8	90.0	90.2
GE 300	57.6	65.7	73.5	78.8	84.1	85.9	88.4	89.2	89.4	90.1	90.6	90.8	90.9	90.9	91.1	91.3
GE 200	57.6	65.7	73.5	79.1	84.6	86.9	89.9	91.4	91.5	92.7	93.9	94.2	94.4	94.5	94.9	95.7
GE 100	57.6	65.7	73.7	79.2	84.7	87.2	90.3	92.2	92.3	93.5	94.8	95.2	96.1	96.5	97.1	99.1
GE 000	57.6	65.7	73.7	79.2	84.7	87.2	90.3	92.2	92.3	93.5	94.8	95.2	96.1	96.5	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.1	39.2	40.7	41.1	42.4	43.2	43.4	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7
GE 20000	39.7	43.9	45.9	46.6	48.1	49.2	49.4	49.5	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7
GE 18000	39.7	43.9	45.9	46.6	48.1	49.2	49.4	49.5	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7
GE 16000	39.7	43.9	45.9	46.6	48.1	49.2	49.4	49.5	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7
GE 14000	39.9	44.1	46.1	46.8	48.3	49.4	49.6	49.7	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	41.4	45.7	47.7	48.4	49.9	51.0	51.2	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6
GE 10000	45.1	50.1	52.5	53.5	55.4	56.5	56.7	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.2
GE 9000	45.2	50.2	52.6	53.6	55.5	56.6	56.8	56.9	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.3
GE 8000	50.8	56.5	59.2	60.5	62.6	63.8	64.3	64.5	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.9
GE 7000	51.8	57.5	60.2	61.6	63.7	64.9	65.3	65.6	65.7	65.7	65.9	65.9	65.9	65.9	65.9	66.0
GE 6000	51.9	57.6	60.3	61.8	64.0	65.2	65.7	65.9	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.3
GE 5000	53.4	59.5	62.3	64.2	66.8	68.0	68.7	68.9	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.3
GE 4500	54.9	61.0	63.9	65.8	68.6	69.8	70.4	70.7	70.8	70.9	71.2	71.2	71.2	71.2	71.2	71.3
GE 4000	56.3	62.6	65.7	67.5	70.7	72.0	73.2	73.5	73.6	73.8	74.1	74.1	74.2	74.2	74.2	74.3
GE 3500	57.2	63.6	67.0	68.9	72.2	73.5	74.7	75.0	75.1	75.3	75.6	75.6	75.7	75.7	75.7	75.8
GE 3000	57.9	64.5	68.1	70.3	73.7	75.0	76.2	76.6	76.7	77.1	77.3	77.3	77.4	77.4	77.4	77.5
GE 2500	58.4	65.0	68.7	70.8	74.3	75.6	76.7	77.2	77.3	77.6	77.8	77.8	77.9	77.9	77.9	78.0
GE 2000	59.1	65.8	69.4	71.7	75.1	76.4	77.7	78.1	78.3	78.6	78.8	78.8	78.9	78.9	78.9	79.0
GE 1800	59.2	65.9	69.5	71.8	75.2	76.5	77.8	78.3	78.4	78.7	78.9	78.9	79.0	79.0	79.0	79.1
GE 1500	60.1	66.8	70.5	73.1	76.5	77.8	79.1	79.5	79.7	80.0	80.2	80.2	80.3	80.3	80.3	80.4
GE 1200	60.6	67.5	71.2	73.8	77.3	78.6	79.9	80.3	80.4	80.7	80.9	80.9	81.1	81.1	81.1	81.2
GE 1000	60.9	67.9	71.6	74.3	77.8	79.1	80.4	80.8	80.9	81.3	81.5	81.5	81.6	81.6	81.6	81.7
GE 900	61.7	68.8	72.6	75.3	78.9	80.3	81.7	82.3	82.5	82.8	83.0	83.0	83.1	83.1	83.1	83.2
GE 800	61.7	68.9	72.8	76.1	80.0	81.5	83.0	83.7	84.0	84.3	84.5	84.5	84.6	84.6	84.6	84.7
GE 700	62.1	69.4	73.5	77.0	81.2	83.2	84.8	85.6	85.8	86.1	86.3	86.3	86.4	86.4	86.4	86.5
GE 600	62.2	69.5	73.6	77.5	82.2	84.5	86.3	87.1	87.4	87.9	88.2	88.2	88.3	88.3	88.3	88.4
GE 500	62.2	69.5	74.1	78.0	83.1	85.5	87.3	88.1	88.6	89.1	89.3	89.3	89.6	89.6	89.7	89.8
GE 400	62.2	69.6	74.3	78.5	83.7	86.4	88.5	89.3	89.9	90.5	91.1	91.1	91.3	91.3	91.4	91.5
GE 300	62.3	69.9	74.6	79.1	85.3	88.2	90.2	91.4	91.9	92.8	93.4	93.4	93.9	93.9	94.1	94.2
GE 200	62.3	69.9	74.6	79.1	85.3	88.5	90.9	92.4	93.0	94.2	95.0	95.2	96.0	96.1	96.4	96.8
GE 100	62.3	69.9	74.6	79.1	85.3	88.5	90.9	92.4	93.0	94.2	95.2	95.4	96.4	97.1	97.8	99.7
GE 000	62.3	69.9	74.6	79.1	85.3	88.5	90.9	92.4	93.0	94.2	95.2	95.4	96.4	97.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.4	41.3	41.8	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 20000	45.9	49.2	50.5	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	45.9	49.2	50.5	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 16000	45.9	49.2	50.5	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 14000	46.3	49.7	51.0	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 12000	47.3	50.9	52.2	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 10000	51.2	55.3	57.0	58.5	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	51.2	55.3	57.0	58.5	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 8000	55.6	60.2	62.2	64.0	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	56.7	61.3	63.2	65.1	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 6000	56.9	61.5	63.4	65.3	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 5000	57.6	62.7	64.6	66.6	66.9	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4500	58.4	63.5	65.5	67.4	67.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4000	60.1	65.6	68.0	70.1	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 3500	62.3	68.5	71.0	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3000	64.6	71.7	74.5	77.2	78.0	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 2500	65.7	72.8	75.8	78.6	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 2000	67.2	74.3	77.4	80.4	81.5	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1800	67.4	74.6	77.8	80.9	81.9	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1500	68.8	76.3	79.9	82.9	84.1	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1200	69.8	77.4	81.2	84.6	85.9	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1000	70.3	78.0	81.9	86.0	87.5	88.0	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 900	70.6	78.7	82.8	87.2	89.1	89.6	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 800	70.8	78.9	83.2	88.0	90.1	90.5	91.5	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2
GE 700	71.1	79.4	83.8	88.8	91.3	91.7	93.0	93.5	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	71.2	79.7	84.2	89.6	92.5	92.9	94.3	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 500	71.3	79.8	84.5	90.0	93.3	94.1	95.6	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 400	71.3	79.8	84.8	90.5	94.0	94.7	96.2	97.2	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 300	71.7	80.2	85.4	91.5	94.9	95.8	97.4	98.6	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.5
GE 200	71.7	80.2	85.4	91.5	94.9	95.8	97.5	98.7	98.7	99.2	99.6	99.6	99.8	99.8	99.9	99.9
GE 100	71.7	80.2	85.4	91.5	94.9	95.8	97.5	98.7	98.7	99.2	99.6	99.6	99.9	99.9	100.0	100.0
GE 000	71.7	80.2	85.4	91.5	94.9	95.8	97.5	98.7	98.7	99.2	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.2	36.5	37.6	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	43.5	45.7	47.7	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 18000	43.5	45.7	47.7	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 16000	43.5	45.7	47.7	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 14000	44.1	46.2	48.3	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 12000	45.4	48.1	50.1	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 10000	49.6	52.8	54.8	55.3	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 9000	50.0	53.3	55.4	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 8000	53.5	57.5	59.7	60.2	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 7000	54.7	58.8	61.0	61.5	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	55.6	59.8	61.9	62.5	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 5000	57.6	62.0	64.3	64.8	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4500	59.5	63.9	66.3	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4000	62.5	67.1	69.7	70.3	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 3500	67.4	72.6	75.4	76.2	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3000	71.4	77.3	80.2	81.3	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 2500	73.2	79.4	82.8	84.0	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2000	74.5	80.9	84.4	85.7	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	74.6	81.0	84.6	86.0	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1500	75.4	82.4	86.0	87.5	88.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1200	76.1	83.2	87.4	89.5	90.9	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	76.3	83.4	87.6	90.0	91.9	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 900	76.7	83.9	88.2	91.0	93.1	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	76.9	84.1	88.6	91.6	94.0	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	77.0	84.4	89.0	92.2	94.6	95.2	96.0	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 600	77.3	84.9	89.8	93.0	95.8	96.3	97.5	97.7	97.7	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	77.3	84.9	89.9	93.1	95.9	96.5	97.8	98.2	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	77.3	84.9	89.9	93.1	95.9	96.5	98.0	98.4	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	77.4	85.2	90.1	93.3	96.2	96.9	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	77.4	85.2	90.1	93.3	96.2	96.9	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.4	85.2	90.1	93.3	96.2	96.9	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	77.4	85.2	90.1	93.3	96.2	96.9	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.2	39.8	40.9	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 20000	45.6	49.4	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 18000	45.7	49.5	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 16000	45.7	49.5	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 14000	45.9	49.8	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 12000	46.5	50.6	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 10000	49.6	54.6	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 9000	50.2	55.3	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 8000	55.9	61.5	63.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 7000	57.1	62.8	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 6000	57.4	63.1	65.1	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 5000	59.7	65.7	67.6	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 4500	61.3	67.3	69.2	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	64.6	71.1	73.0	73.7	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3500	69.0	75.8	78.0	78.6	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 3000	72.2	79.9	82.0	83.1	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2500	75.5	83.4	85.7	86.8	87.4	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2000	76.3	84.7	87.1	88.4	89.1	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800	76.5	84.9	87.3	88.6	89.4	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1500	76.8	85.5	88.1	89.5	90.6	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200	76.9	85.9	88.5	90.2	91.7	91.8	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 1000	77.0	86.0	88.7	90.8	92.5	92.6	93.3	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.8	93.8
GE 900	77.1	86.1	88.9	91.1	93.0	93.1	94.0	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.4	94.4
GE 800	77.2	86.6	89.6	91.7	93.9	94.0	94.9	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.4	95.4
GE 700	77.4	86.9	89.9	92.0	94.2	94.3	95.5	95.7	95.7	95.8	96.0	96.0	96.1	96.1	96.2	96.2
GE 600	77.5	87.1	90.3	92.6	95.2	95.6	97.0	97.2	97.2	97.3	97.5	97.5	97.6	97.6	97.7	97.7
GE 500	77.5	87.1	90.4	92.7	95.5	96.0	97.4	98.0	98.0	98.3	98.6	98.6	98.7	98.7	98.9	98.9
GE 400	77.5	87.1	90.4	92.7	95.6	96.1	97.5	98.2	98.2	98.7	99.0	99.0	99.1	99.1	99.4	99.4
GE 300	77.5	87.3	90.6	92.9	95.9	96.5	97.8	98.6	98.6	99.2	99.6	99.6	99.7	99.7	99.9	99.9
GE 200	77.5	87.3	90.6	92.9	96.0	96.6	98.0	98.7	98.7	99.4	99.7	99.7	99.8	99.8	100.0	100.0
GE 100	77.5	87.3	90.6	92.9	96.0	96.6	98.0	98.7	98.7	99.4	99.7	99.7	99.8	99.8	100.0	100.0
GE 000	77.5	87.3	90.6	92.9	96.0	96.6	98.0	98.7	98.7	99.4	99.7	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.3	44.1	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 20000	49.9	52.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	49.9	52.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 16000	49.9	52.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 14000	50.0	53.0	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	51.7	54.9	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	54.9	59.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 9000	55.6	59.8	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	60.9	65.3	67.3	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 7000	62.2	66.6	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 6000	62.2	66.9	69.0	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 5000	64.5	69.4	71.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4500	65.8	70.8	72.9	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4000	69.5	74.6	76.9	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3500	71.9	77.7	80.4	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 3000	74.1	80.5	83.3	84.3	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2500	76.1	82.8	85.7	86.7	87.5	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	76.6	83.2	86.3	87.4	88.5	88.7	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1800	76.8	83.4	86.6	87.6	88.7	88.9	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1500	77.4	84.1	87.4	88.7	89.9	90.2	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	77.7	84.6	88.3	89.6	91.2	91.5	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	77.7	84.8	88.7	90.1	92.0	92.4	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 900	77.7	84.8	88.7	90.2	92.4	92.7	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 800	78.0	85.3	89.1	90.6	93.2	93.7	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 700	78.2	85.6	89.5	91.0	93.7	94.1	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 600	78.2	85.6	89.8	91.3	94.4	94.9	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	78.3	85.9	90.2	91.7	95.2	95.8	96.9	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 400	78.3	85.9	90.2	91.7	95.2	95.8	97.0	97.5	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	78.3	86.1	90.5	92.2	95.7	96.9	98.3	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	78.3	86.1	90.5	92.3	95.9	97.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.3	86.1	90.5	92.3	95.9	97.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.3	86.1	90.5	92.3	95.9	97.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.2	44.7	45.7	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
GE 20000	48.5	51.8	53.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
GE 18000	48.5	51.8	53.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	48.5	51.8	53.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	48.8	52.2	53.4	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	49.5	53.2	54.5	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	52.2	56.9	58.3	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5
GE 9000	52.3	57.0	58.4	59.9	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	57.7	63.1	64.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 7000	58.7	64.1	65.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8
GE 6000	58.9	64.3	65.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1
GE 5000	61.2	67.0	68.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
GE 4500	62.0	68.0	69.5	71.2	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	65.5	71.5	73.0	74.7	75.5	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE 3500	68.6	75.7	77.4	79.1	80.0	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	69.9	77.3	79.6	81.3	82.2	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	71.7	79.4	81.9	84.0	84.8	84.8	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 2000	72.5	80.1	82.9	85.2	86.2	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
GE 1800	72.5	80.1	82.9	85.2	86.2	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
GE 1500	73.3	81.0	83.9	86.2	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 1200	73.9	81.5	84.6	87.1	88.2	88.2	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
GE 1000	74.0	81.6	85.3	88.0	89.4	89.4	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 900	74.1	81.8	85.8	88.7	90.3	90.3	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 800	74.1	81.8	86.0	89.0	90.6	90.8	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 700	74.4	82.3	86.6	90.0	91.6	91.7	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 600	74.6	83.0	87.5	91.0	93.0	93.1	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 500	74.9	83.4	88.1	91.7	93.8	93.9	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 400	74.9	83.5	88.4	92.0	94.2	94.3	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 300	74.9	83.8	88.6	92.5	94.9	95.4	97.0	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	75.2	84.0	88.8	92.7	95.2	95.8	97.6	98.4	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2
GE 100	75.2	84.0	88.8	92.7	95.2	95.8	97.6	98.5	98.5	99.1	99.2	99.5	99.7	99.8	99.8	99.9
GE 000	75.2	84.0	88.8	92.7	95.2	95.8	97.6	98.5	98.5	99.1	99.2	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.1	40.7	42.0	42.7	43.2	43.4	43.5	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8
GE 20000	44.3	47.7	49.6	50.4	51.1	51.3	51.5	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8
GE 18000	44.3	47.8	49.6	50.5	51.1	51.4	51.6	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.9
GE 16000	44.3	47.8	49.6	50.5	51.1	51.4	51.6	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.9
GE 14000	44.6	48.0	49.9	50.7	51.4	51.7	51.8	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.2
GE 12000	45.5	49.2	51.1	52.0	52.7	53.0	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.5
GE 10000	48.7	53.0	55.2	56.2	57.1	57.3	57.5	57.6	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.9
GE 9000	49.0	53.3	55.5	56.5	57.4	57.6	57.8	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.2
GE 8000	54.0	58.9	61.3	62.5	63.5	63.8	64.0	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.4
GE 7000	55.1	60.0	62.5	63.7	64.8	65.0	65.2	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6
GE 6000	55.4	60.4	62.9	64.1	65.2	65.4	65.6	65.7	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0
GE 5000	57.3	62.6	65.2	66.5	67.7	67.9	68.2	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.6
GE 4500	58.7	64.1	66.8	68.2	69.3	69.6	69.9	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.3	70.3
GE 4000	61.4	67.1	69.9	71.4	72.8	73.1	73.5	73.6	73.6	73.7	73.8	73.8	73.9	73.9	73.9	73.9
GE 3500	64.1	70.2	73.2	74.8	76.3	76.6	77.0	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5
GE 3000	66.1	72.8	76.0	77.9	79.5	79.8	80.2	80.4	80.4	80.5	80.6	80.6	80.7	80.7	80.7	80.7
GE 2500	67.5	74.3	77.8	79.8	81.4	81.8	82.3	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.8	82.8
GE 2000	68.4	75.3	79.0	81.3	83.0	83.4	83.9	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.5
GE 1800	68.6	75.6	79.3	81.5	83.3	83.7	84.2	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.8
GE 1500	69.3	76.5	80.4	82.8	84.8	85.2	85.7	85.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.3
GE 1200	69.9	77.2	81.2	83.8	86.0	86.4	87.0	87.2	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.6
GE 1000	70.2	77.6	81.8	84.6	87.0	87.4	88.1	88.3	88.4	88.5	88.6	88.6	88.7	88.7	88.7	88.8
GE 900	70.4	77.9	82.2	85.2	87.7	88.2	89.0	89.2	89.3	89.4	89.5	89.5	89.6	89.6	89.6	89.7
GE 800	70.6	78.2	82.7	85.8	88.5	89.1	90.0	90.3	90.4	90.6	90.7	90.7	90.7	90.7	90.8	90.8
GE 700	70.8	78.5	83.1	86.5	89.4	90.0	91.1	91.5	91.5	91.7	91.9	91.9	91.9	91.9	92.0	92.0
GE 600	71.0	78.9	83.7	87.2	90.5	91.2	92.5	92.9	93.0	93.3	93.5	93.5	93.5	93.5	93.6	93.6
GE 500	71.1	79.1	84.1	87.8	91.3	92.1	93.6	94.1	94.2	94.5	94.7	94.7	94.8	94.8	94.9	94.9
GE 400	71.2	79.2	84.3	88.1	91.8	92.7	94.3	94.8	95.0	95.4	95.6	95.6	95.7	95.7	95.8	95.8
GE 300	71.2	79.4	84.6	88.5	92.4	93.6	95.3	96.0	96.2	96.7	97.0	97.0	97.1	97.1	97.2	97.3
GE 200	71.3	79.5	84.6	88.6	92.6	93.9	95.8	96.7	96.9	97.6	98.0	98.1	98.3	98.3	98.5	98.6
GE 100	71.3	79.5	84.6	88.6	92.7	94.0	95.9	96.9	97.0	97.8	98.3	98.3	98.7	98.9	99.2	99.8
GE 000	71.3	79.5	84.6	88.6	92.7	94.0	95.9	96.9	97.0	97.8	98.3	98.3	98.7	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.0	45.0	48.7	50.4	52.4	52.7	52.9	52.9	52.9	53.0	53.2	53.3	53.3	53.3	53.3	53.6
GE 20000	44.4	51.3	56.0	57.9	60.3	60.6	60.9	60.9	60.9	61.0	61.2	61.3	61.3	61.3	61.3	61.6
GE 18000	44.6	51.4	56.1	58.0	60.4	60.8	61.1	61.1	61.1	61.2	61.4	61.6	61.6	61.6	61.6	61.8
GE 16000	44.6	51.4	56.1	58.0	60.4	60.8	61.1	61.1	61.1	61.2	61.4	61.6	61.6	61.6	61.6	61.8
GE 14000	44.9	51.8	56.4	58.3	60.8	61.1	61.4	61.4	61.4	61.6	61.8	61.9	61.9	61.9	61.9	62.1
GE 12000	45.3	52.6	57.2	59.1	61.7	62.0	62.3	62.3	62.3	62.4	62.7	62.8	62.8	62.8	62.8	63.0
GE 10000	48.4	56.6	61.9	63.9	66.6	66.9	67.2	67.2	67.2	67.4	67.7	67.8	67.8	67.8	67.8	68.0
GE 9000	48.8	56.9	62.2	64.2	66.9	67.2	67.6	67.6	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.3
GE 8000	51.3	60.0	66.4	68.9	71.6	71.9	72.3	72.3	72.3	72.6	72.8	73.0	73.2	73.2	73.2	73.4
GE 7000	51.8	60.4	66.9	69.3	72.0	72.3	72.8	72.8	72.8	73.0	73.2	73.4	73.7	73.7	73.7	73.9
GE 6000	51.9	60.6	67.1	69.6	72.2	72.6	73.0	73.0	73.0	73.2	73.4	73.7	73.9	73.9	73.9	74.1
GE 5000	53.1	62.3	68.9	71.7	74.4	74.8	75.2	75.2	75.2	75.4	75.7	75.9	76.1	76.1	76.1	76.3
GE 4500	54.8	64.2	71.1	73.9	76.8	77.1	77.6	77.6	77.6	77.8	78.0	78.2	78.4	78.4	78.4	78.7
GE 4000	56.9	67.0	74.2	77.0	80.1	80.4	80.9	80.9	80.9	81.1	81.3	81.6	81.9	81.9	81.9	82.1
GE 3500	57.1	67.9	75.2	78.0	81.1	81.4	82.0	82.0	82.0	82.2	82.4	82.7	83.0	83.0	83.0	83.2
GE 3000	57.2	68.7	76.6	79.4	83.1	83.4	84.1	84.1	84.1	84.4	84.7	84.9	85.2	85.2	85.2	85.4
GE 2500	57.3	68.9	76.8	79.8	83.4	83.8	84.4	84.4	84.4	84.8	85.0	85.2	85.6	85.6	85.6	85.8
GE 2000	57.6	69.2	77.1	80.1	83.8	84.1	84.8	84.9	84.9	85.2	85.4	85.7	86.0	86.0	86.0	86.2
GE 1800	57.7	69.3	77.2	80.2	83.9	84.2	84.9	85.0	85.0	85.3	85.6	85.8	86.1	86.1	86.1	86.3
GE 1500	57.8	69.4	77.4	80.7	84.8	85.1	85.8	85.9	85.9	86.2	86.4	86.7	87.0	87.0	87.0	87.2
GE 1200	57.9	69.6	77.6	80.9	85.0	85.3	86.2	86.3	86.3	86.7	86.9	87.1	87.4	87.4	87.4	87.7
GE 1000	58.0	69.7	77.8	81.1	85.3	85.7	86.6	86.7	86.7	87.0	87.2	87.4	87.8	87.8	87.8	88.0
GE 900	58.0	69.8	77.9	81.2	85.6	85.9	86.8	86.9	86.9	87.2	87.4	87.7	88.0	88.0	88.0	88.2
GE 800	58.1	70.0	78.2	81.7	86.0	86.3	87.2	87.3	87.3	87.7	87.9	88.1	88.4	88.4	88.4	88.7
GE 700	58.3	70.6	78.8	82.2	86.7	87.0	87.9	88.0	88.0	88.3	88.6	88.8	89.2	89.2	89.2	89.4
GE 600	58.4	70.8	79.0	82.7	87.2	87.6	88.4	88.8	88.8	89.1	89.3	89.6	90.0	90.0	90.0	90.2
GE 500	58.4	70.9	79.4	83.4	88.1	88.6	89.6	89.9	89.9	90.4	90.7	90.9	91.3	91.4	91.4	91.7
GE 400	58.4	71.0	79.6	83.9	88.6	89.0	90.0	90.7	90.7	91.2	91.6	91.8	92.2	92.4	92.4	92.7
GE 300	58.4	71.0	79.6	84.0	88.8	89.2	90.6	91.4	91.4	92.2	92.6	92.8	93.3	93.7	93.8	94.0
GE 200	58.4	71.0	79.6	84.2	89.6	90.3	92.2	93.4	93.4	94.4	95.2	95.4	96.1	96.4	96.6	96.9
GE 100	58.4	71.0	79.6	84.2	89.6	90.3	92.3	93.7	93.7	94.8	95.8	96.2	96.9	97.7	98.2	99.3
GE 000	58.4	71.0	79.6	84.2	89.6	90.3	92.3	93.7	93.7	94.8	95.8	96.2	96.9	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.9	38.8	41.9	45.0	47.8	49.1	50.0	50.3	50.6	50.6	50.6	50.9	51.0	51.0	51.0	51.0
GE 20000	38.2	43.4	47.0	50.8	53.9	55.3	56.4	57.1	57.3	57.4	57.4	57.8	57.9	57.9	57.9	58.0
GE 18000	38.2	43.4	47.0	50.8	53.9	55.3	56.4	57.1	57.3	57.4	57.4	57.8	57.9	57.9	57.9	58.0
GE 16000	38.2	43.4	47.0	50.8	53.9	55.3	56.4	57.1	57.3	57.4	57.4	57.8	57.9	57.9	57.9	58.0
GE 14000	38.6	43.8	47.3	51.1	54.2	55.7	56.8	57.4	57.7	57.8	57.8	58.1	58.2	58.2	58.2	58.3
GE 12000	39.3	44.6	48.4	52.2	55.3	56.8	57.9	58.6	58.8	58.9	59.0	59.3	59.4	59.4	59.4	59.6
GE 10000	41.3	47.7	51.8	55.9	59.1	60.9	62.0	62.7	62.9	63.0	63.1	63.4	63.6	63.6	63.6	63.7
GE 9000	41.7	48.0	52.1	56.2	59.4	61.2	62.3	63.0	63.2	63.3	63.4	63.8	63.9	63.9	63.9	64.0
GE 8000	44.2	51.1	55.7	60.2	63.7	65.6	66.7	67.3	67.6	67.8	68.1	68.6	68.7	68.7	68.7	68.8
GE 7000	44.8	51.7	56.2	60.8	64.2	66.1	67.2	67.9	68.1	68.3	68.7	69.1	69.2	69.2	69.2	69.3
GE 6000	44.9	51.9	56.4	61.1	64.6	66.4	67.6	68.2	68.4	68.7	69.0	69.4	69.6	69.6	69.6	69.7
GE 5000	46.9	54.6	59.2	63.9	67.4	69.3	70.6	71.2	71.4	71.7	72.0	72.4	72.6	72.6	72.6	72.7
GE 4500	48.0	56.1	61.4	66.1	69.7	71.6	72.8	73.7	73.9	74.1	74.6	75.0	75.1	75.1	75.1	75.2
GE 4000	49.3	57.7	63.7	68.7	72.2	74.3	75.6	76.4	76.7	77.0	77.4	77.9	78.2	78.2	78.2	78.4
GE 3500	49.9	58.6	64.6	69.6	73.2	75.3	76.7	77.6	77.9	78.2	78.7	79.1	79.4	79.4	79.4	79.7
GE 3000	50.6	59.4	65.9	70.9	74.8	77.0	78.6	79.4	79.9	80.4	81.0	81.4	81.8	81.8	82.0	82.3
GE 2500	50.6	59.4	65.9	71.0	75.0	77.2	78.8	79.7	80.1	80.7	81.2	81.7	82.0	82.0	82.2	82.6
GE 2000	50.6	59.4	65.9	71.0	75.1	77.3	78.9	79.8	80.2	80.8	81.3	81.8	82.1	82.1	82.3	82.7
GE 1800	50.6	59.4	65.9	71.1	75.3	77.6	79.1	80.0	80.4	81.0	81.6	82.0	82.3	82.3	82.6	82.9
GE 1500	50.7	59.8	66.2	71.4	75.9	78.1	79.7	80.7	81.1	81.7	82.2	82.7	83.0	83.0	83.2	83.6
GE 1200	51.0	60.1	66.8	72.0	76.6	78.8	80.4	81.4	81.9	82.4	83.0	83.4	83.8	83.8	84.0	84.3
GE 1000	51.2	60.6	67.3	72.8	77.4	79.7	81.4	82.6	83.0	83.6	84.1	84.6	84.9	84.9	85.1	85.4
GE 900	51.2	60.7	67.4	72.9	77.7	79.9	81.7	82.8	83.2	83.8	84.3	84.8	85.1	85.1	85.3	85.7
GE 800	51.2	61.2	68.1	73.6	78.4	80.7	82.4	83.6	84.0	84.6	85.1	85.6	85.9	85.9	86.1	86.4
GE 700	51.4	61.4	68.4	73.9	78.9	81.1	83.0	84.1	84.6	85.1	85.7	86.1	86.4	86.4	86.7	87.0
GE 600	51.8	62.1	69.1	74.8	79.8	82.0	84.1	85.3	85.8	86.4	87.0	87.4	87.8	87.8	88.0	88.3
GE 500	51.8	62.1	69.1	75.0	80.1	82.3	84.7	85.9	86.3	87.0	87.6	88.0	88.3	88.3	88.6	88.9
GE 400	51.9	62.2	69.3	75.6	80.8	83.1	85.8	87.1	87.6	88.2	88.8	89.2	89.6	89.6	89.8	90.1
GE 300	51.9	62.3	69.4	75.9	81.3	83.7	86.3	88.2	88.8	89.7	90.3	90.8	91.2	91.2	91.4	91.9
GE 200	51.9	62.3	69.6	76.0	81.4	83.8	87.1	89.0	89.6	90.7	91.6	92.2	93.3	93.4	93.8	94.4
GE 100	51.9	62.3	69.6	76.0	81.6	83.9	87.2	89.2	90.0	91.3	92.7	93.3	94.8	95.2	96.6	98.3
GE 000	51.9	62.3	69.6	76.0	81.6	83.9	87.2	89.2	90.0	91.3	92.7	93.3	94.8	95.2	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.7	42.6	45.0	47.1	50.0	51.7	51.8	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.3	52.3
GE 20000	40.8	47.4	50.4	53.0	56.6	58.3	58.6	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.1	59.1
GE 18000	40.8	47.4	50.4	53.0	56.6	58.3	58.6	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.1	59.1
GE 16000	40.8	47.4	50.4	53.0	56.6	58.3	58.6	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.1	59.1
GE 14000	41.1	47.8	50.8	53.3	56.9	58.7	58.9	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.4	59.4
GE 12000	41.6	48.2	51.4	54.1	57.8	59.6	59.8	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.4	60.4
GE 10000	44.9	52.1	56.1	58.8	63.0	65.0	65.2	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9
GE 9000	45.1	52.3	56.3	59.0	63.2	65.2	65.4	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.1	66.1
GE 8000	48.0	55.8	60.1	63.2	67.6	69.7	69.9	70.6	70.7	71.0	71.2	71.2	71.2	71.2	71.3	71.3
GE 7000	49.1	56.9	61.2	64.3	68.7	70.8	71.0	71.7	71.8	72.1	72.3	72.3	72.3	72.3	72.4	72.4
GE 6000	50.2	58.0	62.4	65.6	69.9	72.0	72.2	72.9	73.0	73.3	73.6	73.6	73.6	73.6	73.7	73.7
GE 5000	51.3	59.4	63.9	67.0	71.3	73.4	73.7	74.3	74.4	74.8	75.0	75.0	75.0	75.0	75.1	75.1
GE 4500	51.4	59.6	64.6	68.0	72.4	74.6	75.0	75.7	75.8	76.1	76.3	76.3	76.3	76.3	76.4	76.4
GE 4000	52.2	61.0	66.2	69.9	74.7	76.8	77.3	78.0	78.1	78.4	78.7	78.7	78.8	78.8	78.9	78.9
GE 3500	52.8	61.8	67.3	71.1	76.0	78.2	78.8	79.6	79.7	80.0	80.2	80.2	80.3	80.3	80.4	80.4
GE 3000	53.2	62.4	68.1	72.6	77.4	79.9	80.4	81.3	81.7	82.0	82.2	82.2	82.3	82.4	82.6	82.6
GE 2500	53.2	62.4	68.2	72.8	77.9	80.4	81.1	82.0	82.3	82.7	82.9	82.9	83.0	83.1	83.2	83.2
GE 2000	53.8	63.0	68.8	73.9	79.1	81.8	82.4	83.4	83.8	84.1	84.3	84.3	84.4	84.7	84.8	84.8
GE 1800	53.8	63.0	68.8	74.0	79.2	81.9	82.6	83.6	83.9	84.2	84.4	84.4	84.6	84.8	84.9	84.9
GE 1500	53.8	63.0	68.8	74.2	79.4	82.1	83.1	84.1	84.4	84.8	85.0	85.0	85.1	85.3	85.4	85.4
GE 1200	53.9	63.1	68.9	74.4	79.7	82.3	83.3	84.3	84.7	85.0	85.2	85.2	85.3	85.6	85.7	85.7
GE 1000	54.0	63.7	69.4	75.2	80.6	83.2	84.3	85.3	85.7	86.0	86.2	86.2	86.3	86.6	86.7	86.7
GE 900	54.1	64.0	69.8	75.6	81.0	83.7	84.8	85.9	86.2	86.6	86.8	86.8	86.9	87.1	87.2	87.2
GE 800	54.2	64.2	70.1	76.0	81.6	84.2	85.3	86.4	86.8	87.1	87.3	87.3	87.4	87.7	87.8	87.8
GE 700	54.3	64.4	70.3	76.3	82.0	84.8	85.9	87.0	87.3	87.7	87.9	87.9	88.0	88.2	88.3	88.3
GE 600	54.3	64.4	70.4	76.4	82.4	85.3	86.6	87.7	88.0	88.4	88.7	88.7	88.8	89.0	89.1	89.1
GE 500	54.3	64.6	70.7	76.9	83.1	86.4	87.7	88.8	89.1	89.6	90.1	90.1	90.2	90.4	90.6	90.6
GE 400	54.3	64.6	70.7	77.0	83.4	86.9	88.3	90.1	90.4	91.1	91.9	91.9	92.1	92.3	92.4	92.4
GE 300	54.3	64.6	70.7	77.0	83.7	87.3	89.1	91.6	92.1	92.9	94.2	94.2	94.7	94.9	95.2	95.4
GE 200	54.3	64.6	70.7	77.1	83.9	87.6	89.7	92.4	93.1	94.2	96.4	96.6	97.2	97.7	98.0	98.3
GE 100	54.3	64.6	70.7	77.1	83.9	87.6	89.7	92.4	93.1	94.2	96.6	96.7	97.4	98.0	98.9	99.9
GE 000	54.3	64.6	70.7	77.1	83.9	87.6	89.7	92.4	93.1	94.2	96.6	96.7	97.4	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.1	47.0	49.4	51.3	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 20000	45.9	52.6	55.6	57.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 18000	45.9	52.6	55.6	57.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	45.9	52.6	55.6	57.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	46.0	52.7	55.7	57.8	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	46.6	53.6	56.7	58.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	49.1	56.8	60.0	62.8	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	49.4	57.2	60.6	63.3	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	52.4	61.2	64.8	67.7	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 7000	53.3	62.1	65.7	68.6	70.3	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	53.9	63.0	66.6	69.4	71.2	71.4	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
GE 5000	54.9	64.4	68.0	71.0	72.8	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
GE 4500	55.2	65.4	69.0	72.0	73.8	74.0	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
GE 4000	57.7	68.4	72.3	75.3	77.3	77.6	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9
GE 3500	58.9	70.1	74.1	77.3	79.6	79.8	79.9	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	59.8	71.8	76.4	79.9	82.4	82.7	83.0	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3
GE 2500	60.2	72.4	77.2	80.9	83.6	83.8	84.1	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
GE 2000	61.9	74.6	79.8	83.6	86.3	86.8	87.3	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7
GE 1800	62.0	74.7	79.9	83.7	86.4	86.9	87.4	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	62.2	75.6	80.8	84.7	87.6	88.0	88.6	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	62.6	75.9	81.4	85.4	88.6	89.0	89.6	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
GE 1000	62.9	76.4	82.1	86.2	89.6	90.2	91.0	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	62.9	76.6	82.3	86.6	90.0	90.8	91.7	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 800	62.9	76.8	82.6	86.8	90.3	91.1	92.1	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 700	62.9	76.8	82.9	87.2	91.0	92.0	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 600	63.0	76.9	83.3	87.9	91.8	93.0	94.2	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 500	63.1	77.3	84.1	88.8	93.0	94.3	95.9	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	63.1	77.3	84.1	88.9	93.2	94.9	96.8	98.0	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	63.1	77.3	84.1	88.9	93.2	95.1	97.2	98.4	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	63.1	77.3	84.1	88.9	93.2	95.2	97.3	98.6	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.1	77.3	84.1	88.9	93.2	95.2	97.3	98.6	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	63.1	77.3	84.1	88.9	93.2	95.2	97.3	98.6	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.6	40.3	42.0	43.8	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	44.0	50.7	53.0	55.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 18000	44.1	50.9	53.2	55.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 16000	44.1	50.9	53.2	55.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 14000	44.3	51.1	53.4	55.7	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 12000	45.4	52.3	54.7	56.9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 10000	48.3	55.8	58.4	61.2	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 9000	48.7	56.1	58.8	61.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 8000	52.3	60.4	63.4	66.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	53.1	61.2	64.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 6000	53.4	62.2	65.2	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 5000	54.6	64.3	67.3	70.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4500	56.3	66.3	69.4	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 4000	60.1	72.1	76.0	79.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3500	62.2	75.1	79.3	82.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3000	65.1	78.8	83.6	87.3	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2500	65.4	79.2	84.0	88.0	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2000	66.2	80.1	84.9	88.9	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	66.3	80.2	85.0	89.0	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1500	66.8	80.9	85.9	90.1	91.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	67.4	81.9	86.9	91.2	92.8	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000	67.8	82.6	87.8	92.4	94.2	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	68.2	83.0	88.4	93.2	95.0	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	68.2	83.1	88.6	93.3	95.1	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	68.3	83.2	89.1	94.0	96.0	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	68.3	83.3	89.3	94.2	96.2	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	68.4	83.4	89.8	94.7	96.8	98.0	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	68.4	83.4	89.9	94.8	97.0	98.3	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	68.4	83.4	89.9	94.9	97.2	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.4	83.4	89.9	94.9	97.2	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.4	83.4	89.9	94.9	97.2	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	68.4	83.4	89.9	94.9	97.2	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.0	41.0	42.6	44.0	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 20000	43.6	50.2	53.0	54.6	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 18000	44.0	50.7	53.4	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	44.0	50.7	53.4	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 14000	44.7	51.3	54.1	55.7	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	45.4	52.2	55.0	56.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	49.1	56.8	60.3	62.3	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 9000	49.6	57.2	60.8	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 8000	54.3	63.1	67.0	69.0	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 7000	55.6	64.3	68.2	70.2	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	56.3	65.2	69.1	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 5000	57.9	66.9	70.8	73.0	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 4500	59.4	68.8	72.7	75.2	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4000	62.6	73.4	78.0	80.7	81.2	81.6	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3500	64.9	76.3	81.0	4.0	84.7	85.0	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3000	66.4	79.0	84.8	88.1	88.9	89.3	89.4	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
GE 2500	66.9	79.6	85.3	88.8	89.6	90.0	90.1	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	67.8	80.6	86.3	89.9	90.9	91.3	91.4	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.1
GE 1800	67.9	80.7	86.4	90.0	91.0	91.4	91.6	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.2
GE 1500	68.2	81.0	87.0	90.6	91.8	92.2	92.4	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.1
GE 1200	68.3	81.1	87.4	91.0	92.2	92.7	92.9	93.1	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.6
GE 1000	69.1	82.1	88.8	92.7	94.3	95.0	95.2	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.9
GE 900	69.4	82.4	89.1	93.1	94.8	95.4	95.7	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.3
GE 800	69.7	83.2	90.0	94.0	95.8	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4
GE 700	69.8	83.4	90.2	94.3	96.1	96.9	97.3	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 600	69.8	83.4	90.2	94.3	96.2	97.1	97.6	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.4
GE 500	69.8	83.4	90.2	94.4	96.7	97.7	98.2	98.6	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.2
GE 400	69.8	83.4	90.2	94.4	96.7	97.8	98.7	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 300	69.8	83.4	90.2	94.4	96.8	97.9	98.9	99.2	99.2	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	69.8	83.4	90.2	94.4	96.8	97.9	98.9	99.2	99.2	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	69.8	83.4	90.2	94.4	96.8	97.9	98.9	99.2	99.2	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	69.8	83.4	90.2	94.4	96.8	97.9	98.9	99.2	99.2	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.3	47.4	49.4	50.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	47.4	55.7	59.1	60.4	61.8	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	47.9	56.1	59.6	60.9	62.2	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 16000	47.9	56.1	59.6	60.9	62.2	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 14000	48.3	56.8	60.2	61.6	62.9	63.3	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 12000	48.9	57.6	61.0	62.3	63.9	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 10000	52.0	60.9	65.0	66.3	67.9	68.3	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 9000	52.6	61.4	65.6	66.9	68.6	69.0	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 8000	56.2	65.7	69.9	71.2	73.0	73.6	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 7000	57.4	67.0	71.4	72.8	74.6	75.1	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 6000	58.6	68.1	72.6	74.0	75.8	76.3	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 5000	59.8	69.7	74.1	75.6	77.3	77.9	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4500	61.3	71.6	76.0	77.7	79.4	80.0	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000	63.4	74.2	79.2	81.3	83.7	84.6	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3500	65.2	76.2	81.3	83.6	86.2	87.1	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 3000	65.8	76.9	82.3	84.8	87.8	88.7	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2500	66.2	77.6	83.0	85.4	88.6	89.4	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	66.7	78.0	83.6	86.0	89.1	90.0	90.6	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1800	66.7	78.0	83.6	86.0	89.1	90.0	90.6	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	66.9	78.3	84.0	86.7	90.0	90.9	91.4	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	67.3	78.8	84.6	87.2	90.8	91.9	92.4	92.7	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 1000	67.7	79.2	85.2	88.0	91.6	92.7	93.4	93.7	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2
GE 900	67.7	79.2	85.2	88.0	91.7	92.8	93.6	93.8	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	67.7	79.2	85.4	88.2	92.0	93.2	94.1	94.3	94.3	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	68.1	79.7	86.0	88.9	93.0	94.3	95.2	95.4	95.4	95.9	96.2	96.2	96.2	96.2	96.2	96.2
GE 600	68.1	79.7	86.1	89.1	93.4	94.9	96.1	96.3	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1
GE 500	68.2	79.8	86.6	89.6	94.3	96.0	97.3	98.0	98.0	98.4	98.8	98.8	98.9	98.9	98.9	98.9
GE 400	68.2	79.8	86.7	89.8	94.7	96.3	97.8	98.8	98.9	99.3	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	68.2	79.8	86.7	89.8	94.7	96.3	97.8	98.8	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	68.2	79.8	86.7	89.8	94.7	96.3	97.8	98.8	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	68.2	79.8	86.7	89.8	94.7	96.3	97.8	98.8	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	68.2	79.8	86.7	89.8	94.7	96.3	97.8	98.8	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	49.8	52.9	54.3	55.2	55.3	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.9
GE 20000	47.4	55.1	59.7	61.7	62.9	63.0	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.6	63.6	63.7
GE 18000	47.9	55.6	60.1	62.1	63.4	63.6	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.2
GE 16000	47.9	55.6	60.1	62.1	63.4	63.6	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.2
GE 14000	48.4	56.2	60.8	62.8	64.1	64.2	64.4	64.4	64.4	64.6	64.7	64.7	64.7	64.8	64.8	64.9
GE 12000	48.7	56.4	61.1	63.1	64.4	64.6	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.2
GE 10000	50.4	59.1	64.3	66.6	68.0	68.1	68.3	68.6	68.6	68.7	68.8	68.8	68.8	68.9	68.9	69.0
GE 9000	50.7	59.3	64.6	66.8	68.2	68.3	68.6	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.2
GE 8000	53.2	62.6	68.8	71.3	73.1	73.2	73.6	73.8	73.8	73.9	74.1	74.1	74.1	74.2	74.2	74.3
GE 7000	54.0	63.3	69.7	72.2	74.0	74.1	74.4	74.7	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.2
GE 6000	54.1	63.6	69.9	72.4	74.2	74.3	74.7	74.9	74.9	75.0	75.2	75.2	75.2	75.3	75.3	75.4
GE 5000	55.2	65.0	71.4	74.3	76.3	76.4	76.8	77.0	77.0	77.1	77.3	77.3	77.3	77.4	77.4	77.6
GE 4500	57.3	67.2	73.9	76.8	78.8	78.9	79.2	79.4	79.4	79.6	79.8	79.8	79.8	79.9	79.9	80.0
GE 4000	59.3	70.1	78.0	81.4	84.2	84.3	84.7	84.9	84.9	85.0	85.2	85.2	85.2	85.3	85.3	85.4
GE 3500	59.8	70.8	79.0	82.6	85.4	85.6	85.9	86.1	86.1	86.2	86.4	86.4	86.4	86.6	86.6	86.7
GE 3000	60.7	72.6	80.9	84.7	87.8	87.9	88.2	88.4	88.4	88.6	88.8	88.8	88.8	88.9	88.9	89.0
GE 2500	60.9	72.8	81.1	85.1	88.3	88.4	88.8	89.0	89.0	89.1	89.3	89.3	89.3	89.4	89.4	89.6
GE 2000	60.9	72.9	81.4	85.4	88.8	88.9	89.2	89.4	89.4	89.6	89.8	89.8	89.8	89.9	89.9	90.0
GE 1800	60.9	72.9	81.4	85.4	88.8	88.9	89.2	89.4	89.4	89.6	89.8	89.8	89.8	89.9	89.9	90.0
GE 1500	61.0	73.1	81.7	85.7	89.1	89.2	89.6	89.9	89.9	90.0	90.2	90.2	90.2	90.3	90.3	90.4
GE 1200	61.6	73.7	82.3	86.4	89.9	90.0	90.3	90.8	90.8	90.9	91.1	91.1	91.1	91.2	91.2	91.3
GE 1000	61.8	74.3	83.1	87.2	90.7	90.8	91.1	91.6	91.6	91.7	91.9	91.9	91.9	92.0	92.0	92.2
GE 900	61.8	74.4	83.2	87.3	91.3	91.4	91.8	92.2	92.2	92.3	92.6	92.6	92.6	92.7	92.7	92.9
GE 800	61.9	74.8	83.8	87.9	91.9	92.0	92.4	92.9	92.9	93.0	93.2	93.2	93.3	93.4	93.4	93.7
GE 700	61.9	75.0	84.1	88.4	92.6	92.8	93.3	93.8	93.8	93.9	94.1	94.1	94.3	94.4	94.4	94.7
GE 600	61.9	75.1	84.4	88.9	93.0	93.2	93.8	94.2	94.2	94.3	94.6	94.6	94.8	94.9	94.9	95.1
GE 500	61.9	75.1	84.8	89.3	93.7	94.1	94.7	95.2	95.2	95.3	95.6	95.6	95.8	95.9	95.9	96.1
GE 400	62.0	75.2	84.9	89.7	94.4	94.9	95.6	96.1	96.1	96.2	96.4	96.4	96.7	96.8	96.8	97.0
GE 300	62.0	75.2	85.0	89.8	94.8	95.3	96.1	96.8	96.8	97.3	97.9	97.9	98.1	98.2	98.2	98.4
GE 200	62.0	75.2	85.0	89.8	94.8	95.3	96.6	97.3	97.3	98.2	98.8	98.8	99.1	99.2	99.2	99.4
GE 100	62.0	75.2	85.0	89.8	94.8	95.3	96.6	97.4	97.4	98.3	98.9	98.9	99.2	99.4	99.7	100.0
GE 000	62.0	75.2	85.0	89.8	94.8	95.3	96.6	97.4	97.4	98.3	98.9	98.9	99.2	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.4	44.0	46.5	48.3	49.7	50.2	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7
GE 20000	44.0	50.8	54.2	56.4	58.1	58.7	58.9	59.1	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3
GE 18000	44.2	51.0	54.4	56.6	58.4	58.9	59.2	59.3	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.6
GE 16000	44.2	51.0	54.4	56.6	58.4	58.9	59.2	59.3	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.6
GE 14000	44.5	51.4	54.8	57.0	58.8	59.3	59.6	59.7	59.7	59.8	59.8	59.9	59.9	59.9	59.9	60.0
GE 12000	45.2	52.2	55.7	57.9	59.7	60.3	60.5	60.7	60.7	60.8	60.8	60.9	60.9	60.9	60.9	61.0
GE 10000	48.0	55.7	59.7	62.2	64.2	64.8	65.1	65.2	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.6
GE 9000	48.3	56.1	60.1	62.6	64.6	65.2	65.5	65.6	65.7	65.8	65.8	65.9	65.9	65.9	65.9	66.0
GE 8000	51.5	60.0	64.5	67.3	69.4	70.1	70.4	70.6	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.1
GE 7000	52.4	60.9	65.4	68.2	70.3	71.0	71.3	71.5	71.5	71.7	71.8	71.9	71.9	72.0	72.0	72.0
GE 6000	52.9	61.6	66.2	68.9	71.1	71.8	72.1	72.3	72.3	72.4	72.6	72.7	72.7	72.7	72.7	72.8
GE 5000	54.2	63.3	68.0	70.9	73.1	73.7	74.1	74.3	74.3	74.4	74.6	74.7	74.7	74.7	74.7	74.8
GE 4500	55.5	64.9	69.8	72.8	75.0	75.7	76.0	76.3	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.8
GE 4000	57.7	68.0	73.5	76.7	79.2	80.0	80.4	80.7	80.7	80.9	81.0	81.1	81.2	81.2	81.2	81.3
GE 3500	58.8	69.6	75.2	78.6	81.3	82.1	82.5	82.8	82.8	83.0	83.2	83.3	83.4	83.4	83.4	83.5
GE 3000	59.8	71.2	77.3	81.0	83.9	84.8	85.3	85.6	85.7	85.9	86.1	86.1	86.2	86.3	86.3	86.4
GE 2500	60.1	71.5	77.7	81.5	84.5	85.4	85.9	86.2	86.3	86.5	86.7	86.8	86.9	86.9	86.9	87.0
GE 2000	60.7	72.2	78.5	82.3	85.4	86.4	86.9	87.3	87.4	87.6	87.8	87.9	88.0	88.0	88.1	88.2
GE 1800	60.7	72.3	78.5	82.4	85.5	86.5	87.0	87.4	87.5	87.7	87.9	88.0	88.1	88.1	88.2	88.3
GE 1500	60.9	72.6	79.0	83.0	86.3	87.2	87.9	88.2	88.3	88.6	88.8	88.8	88.9	89.0	89.0	89.1
GE 1200	61.3	73.0	79.5	83.6	86.9	87.9	88.6	89.0	89.1	89.4	89.6	89.7	89.8	89.8	89.8	89.9
GE 1000	61.6	73.6	80.2	84.5	88.0	89.0	89.8	90.2	90.3	90.6	90.8	90.9	91.0	91.0	91.0	91.2
GE 900	61.7	73.8	80.4	84.7	88.4	89.5	90.3	90.7	90.8	91.0	91.3	91.3	91.4	91.5	91.5	91.6
GE 800	61.7	74.1	80.8	85.2	88.9	90.0	90.9	91.3	91.4	91.7	91.9	92.0	92.1	92.1	92.2	92.3
GE 700	61.9	74.3	81.2	85.7	89.5	90.8	91.7	92.1	92.2	92.5	92.7	92.8	92.9	93.0	93.0	93.1
GE 600	62.0	74.5	81.5	86.0	90.0	91.3	92.3	92.9	93.0	93.3	93.5	93.6	93.7	93.8	93.8	93.9
GE 500	62.0	74.6	81.8	86.5	90.7	92.2	93.3	94.0	94.1	94.5	94.7	94.8	95.0	95.0	95.1	95.2
GE 400	62.0	74.6	81.9	86.8	91.1	92.7	94.0	94.9	95.0	95.4	95.8	95.8	96.0	96.1	96.1	96.2
GE 300	62.0	74.6	81.9	86.8	91.3	93.0	94.5	95.5	95.7	96.3	96.8	96.8	97.1	97.2	97.2	97.4
GE 200	62.0	74.6	82.0	86.9	91.4	93.2	94.9	96.1	96.3	97.0	97.7	97.8	98.2	98.3	98.4	98.6
GE 100	62.0	74.6	82.0	86.9	91.5	93.2	94.9	96.1	96.4	97.2	97.9	98.1	98.5	98.8	99.2	99.7
GE 000	62.0	74.6	82.0	86.9	91.5	93.2	94.9	96.1	96.4	97.2	97.9	98.1	98.5	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.3	40.8	45.9	48.6	51.0	52.0	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	37.3	45.6	52.8	56.3	59.1	60.2	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 18000	37.3	45.6	52.8	56.3	59.1	60.2	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	37.3	45.6	52.8	56.3	59.1	60.2	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 14000	37.5	45.8	53.0	56.7	59.6	60.6	61.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	38.2	46.6	54.1	57.8	60.8	61.9	63.0	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 10000	40.5	49.7	57.4	61.7	65.2	66.3	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 9000	41.0	50.2	58.0	62.3	65.7	66.9	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 8000	43.3	53.4	62.2	67.0	70.5	71.7	73.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 7000	43.9	54.1	62.8	67.6	71.3	72.5	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 6000	43.9	54.1	62.8	67.6	71.5	72.9	74.4	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 5000	44.2	54.9	63.8	68.9	73.1	74.7	76.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	44.7	55.5	64.3	69.5	73.8	75.4	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4000	45.4	56.8	66.6	72.5	76.9	78.5	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3500	46.0	57.6	68.1	74.0	78.4	80.0	81.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000	46.8	59.7	70.8	76.8	81.3	82.9	84.7	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2500	47.3	60.6	72.4	78.4	83.0	84.6	86.5	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	47.5	61.1	73.3	79.5	84.1	85.8	87.6	88.7	88.7	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 1800	47.5	61.1	73.4	79.6	84.2	85.9	87.7	88.8	88.8	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 1500	47.8	61.8	74.6	80.9	85.7	87.5	89.5	90.5	90.5	91.1	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	47.8	61.8	74.7	81.0	85.8	87.6	89.7	90.8	90.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4
GE 1000	48.0	62.3	75.4	81.6	86.5	88.3	90.3	91.4	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0
GE 900	48.0	62.3	75.5	81.7	86.7	88.5	90.5	91.6	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 800	48.0	62.3	75.5	81.8	86.8	88.6	90.6	91.7	91.7	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 700	48.1	62.4	75.7	82.0	87.1	88.9	91.0	92.2	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8
GE 600	48.1	62.4	75.7	82.2	87.4	89.4	91.5	92.7	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 500	48.1	62.4	75.8	82.4	87.7	89.7	91.9	93.2	93.2	93.8	94.0	94.0	94.0	94.0	94.0	94.0
GE 400	48.2	62.5	76.0	82.7	88.2	90.3	92.6	94.0	94.0	94.5	94.7	94.7	94.7	94.8	94.8	94.8
GE 300	48.2	62.6	76.3	83.2	89.0	91.2	93.5	95.6	95.7	96.2	96.6	96.6	96.7	97.0	97.0	97.0
GE 200	48.4	62.8	76.7	83.5	89.4	91.6	94.0	96.3	96.5	97.2	97.7	97.7	97.8	98.3	98.5	98.5
GE 100	48.4	62.8	76.7	83.7	89.5	91.7	94.1	96.5	96.6	97.5	98.2	98.2	98.4	98.8	99.1	99.7
GE 000	48.4	62.8	76.7	83.7	89.5	91.7	94.1	96.5	96.6	97.5	98.2	98.2	98.4	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.6	33.2	38.6	42.5	46.0	48.4	49.8	50.6	50.6	51.1	51.6	51.7	51.8	51.8	51.9	52.3
GE 20000	31.0	38.0	44.3	48.9	53.2	55.8	57.5	58.8	58.8	59.4	60.0	60.1	60.3	60.3	60.5	60.9
GE 18000	31.0	38.0	44.3	48.9	53.2	55.8	57.5	58.8	58.8	59.4	60.0	60.1	60.3	60.3	60.5	60.9
GE 16000	31.0	38.0	44.3	48.9	53.2	55.8	57.5	58.8	58.8	59.4	60.0	60.1	60.3	60.3	60.5	60.9
GE 14000	31.0	38.0	44.3	48.9	53.2	55.8	57.5	58.9	59.0	59.6	60.2	60.3	60.5	60.5	60.8	61.1
GE 12000	31.6	38.8	45.5	50.3	54.7	57.3	59.2	60.6	60.8	61.3	62.0	62.2	62.4	62.4	62.6	62.9
GE 10000	33.1	40.9	47.8	53.4	58.6	61.4	63.7	65.1	65.2	66.0	66.8	66.9	67.1	67.1	67.3	67.6
GE 9000	33.1	40.9	47.8	53.4	58.6	61.4	63.7	65.1	65.2	66.0	66.8	66.9	67.1	67.1	67.3	67.6
GE 8000	34.8	43.0	51.1	57.3	63.2	66.1	68.6	70.3	70.4	71.3	72.0	72.3	72.5	72.5	72.7	73.0
GE 7000	35.6	43.8	51.8	58.1	64.1	67.0	69.5	71.2	71.3	72.2	72.9	73.1	73.3	73.3	73.5	73.9
GE 6000	35.7	43.9	51.9	58.2	64.2	67.1	69.7	71.4	71.5	72.4	73.1	73.3	73.5	73.5	73.8	74.1
GE 5000	36.0	44.5	52.6	58.8	64.8	67.8	70.6	72.4	72.5	73.3	74.1	74.3	74.5	74.5	74.7	75.1
GE 4500	36.5	45.1	53.1	59.4	65.4	68.4	71.2	72.9	73.0	73.9	74.6	74.8	75.1	75.1	75.3	75.6
GE 4000	36.8	46.3	54.6	61.1	67.7	71.0	73.9	75.6	75.7	76.6	77.6	77.8	78.1	78.1	78.3	78.6
GE 3500	37.1	47.1	55.4	61.8	68.7	71.9	75.1	76.8	76.9	77.7	78.9	79.1	79.4	79.4	79.6	79.9
GE 3000	37.7	48.3	57.0	63.8	71.0	74.2	77.3	79.0	79.1	80.1	81.3	81.5	81.7	81.7	81.9	82.3
GE 2500	38.3	48.9	57.8	64.6	71.8	75.1	78.2	80.0	80.1	81.1	82.4	82.6	82.8	82.8	83.0	83.3
GE 2000	38.5	49.4	58.5	65.3	72.5	75.8	79.0	80.9	81.0	81.9	83.2	83.5	84.0	84.0	84.2	84.5
GE 1800	38.5	49.4	58.7	65.5	72.7	76.0	79.2	81.1	81.2	82.2	83.4	83.8	84.2	84.2	84.4	84.7
GE 1500	38.8	50.2	60.0	67.0	74.3	77.6	80.9	82.7	82.8	83.8	85.1	85.4	85.8	85.8	86.0	86.3
GE 1200	39.4	50.8	60.6	67.7	75.1	78.4	81.7	83.5	83.7	84.6	85.9	86.2	86.7	86.7	86.9	87.2
GE 1000	39.5	50.9	61.0	68.5	76.1	79.5	82.9	84.8	84.9	86.0	87.3	87.6	88.1	88.1	88.3	88.6
GE 900	39.5	50.9	61.1	68.7	76.3	79.7	83.1	85.1	85.2	86.2	87.5	87.8	88.3	88.3	88.5	88.8
GE 800	39.5	51.0	61.3	68.9	76.8	80.2	83.7	85.7	85.8	86.9	88.3	88.6	89.0	89.0	89.2	89.6
GE 700	39.7	51.2	61.7	69.5	77.5	81.0	84.4	86.5	86.6	87.6	89.0	89.4	89.8	89.8	90.0	90.3
GE 600	39.7	51.3	61.9	69.7	78.0	81.4	84.9	87.0	87.2	88.6	90.0	90.3	90.8	90.8	91.0	91.3
GE 500	39.7	51.3	61.9	69.8	78.3	81.8	85.5	87.5	87.7	89.2	90.8	91.2	91.7	91.7	91.9	92.3
GE 400	39.8	51.4	62.2	70.1	78.6	82.3	85.9	88.3	88.8	90.5	92.0	92.5	93.1	93.1	93.3	93.7
GE 300	39.8	51.5	62.5	70.6	79.2	83.1	87.7	90.3	90.9	93.1	94.7	95.3	96.0	96.1	96.3	96.7
GE 200	39.9	51.7	62.7	71.0	79.6	83.4	88.1	90.6	91.3	93.8	95.4	96.0	97.0	97.1	97.5	98.0
GE 100	39.9	51.7	62.7	71.0	79.6	83.4	88.1	90.6	91.3	93.8	95.4	96.0	97.1	97.3	98.5	99.6
GE 000	39.9	51.7	62.7	71.0	79.6	83.4	88.1	90.6	91.3	93.8	95.4	96.0	97.1	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.0	33.3	37.6	41.1	43.7	45.6	46.6	46.9	46.9	47.4	47.8	47.8	48.3	48.3	48.4	48.4
GE 20000	30.6	38.3	43.3	47.6	51.1	53.4	54.6	55.1	55.3	56.1	56.7	56.7	57.1	57.2	57.4	57.5
GE 18000	30.6	38.3	43.3	47.6	51.1	53.4	54.6	55.1	55.3	56.1	56.7	56.7	57.1	57.2	57.4	57.5
GE 16000	30.6	38.3	43.3	47.6	51.1	53.4	54.6	55.1	55.3	56.1	56.7	56.7	57.1	57.2	57.4	57.5
GE 14000	30.6	38.3	43.5	47.8	51.5	53.9	55.1	55.5	55.7	56.6	57.1	57.1	57.5	57.6	57.8	58.0
GE 12000	31.3	39.5	45.4	49.7	53.4	55.8	57.2	57.6	57.8	58.8	59.6	59.6	60.0	60.1	60.3	60.4
GE 10000	32.9	42.3	48.7	53.3	58.2	60.6	62.5	62.9	63.1	64.1	65.1	65.1	65.5	65.6	65.8	65.9
GE 9000	33.0	42.4	48.8	53.4	58.3	60.8	62.6	63.0	63.2	64.2	65.2	65.2	65.6	65.7	65.9	66.0
GE 8000	35.2	45.9	53.5	58.9	64.6	67.4	69.2	69.8	70.0	71.0	71.9	71.9	72.4	72.5	72.7	72.8
GE 7000	35.8	46.6	54.4	59.8	65.5	68.3	70.1	70.6	70.9	71.8	72.8	72.8	73.2	73.3	73.5	73.7
GE 6000	36.0	46.8	54.6	60.0	65.7	68.5	70.3	70.9	71.1	72.0	73.0	73.0	73.4	73.5	73.8	73.9
GE 5000	36.2	47.1	55.2	60.5	66.2	69.0	70.9	71.4	71.6	72.6	73.5	73.5	74.0	74.1	74.3	74.4
GE 4500	36.6	47.5	55.6	61.1	66.9	69.7	71.5	72.0	72.3	73.2	74.2	74.2	74.7	74.8	75.1	75.2
GE 4000	36.7	48.0	56.3	61.9	68.1	71.4	73.2	73.8	74.0	74.9	76.0	76.0	76.6	76.7	76.9	77.0
GE 3500	37.3	48.6	57.1	62.7	69.0	72.4	74.2	74.8	75.1	76.2	77.3	77.3	77.8	78.0	78.2	78.4
GE 3000	38.0	49.8	58.5	64.7	71.2	74.6	76.6	77.3	77.5	78.9	80.0	80.0	80.5	80.6	80.9	81.1
GE 2500	38.6	50.5	59.5	65.7	72.2	75.7	77.6	78.4	78.7	80.1	81.2	81.2	81.7	81.8	82.0	82.3
GE 2000	38.9	51.1	60.2	66.5	73.0	76.7	78.7	79.5	79.8	81.2	82.4	82.4	83.0	83.1	83.3	83.5
GE 1800	38.9	51.1	60.3	66.6	73.1	76.8	78.8	79.6	79.9	81.3	82.5	82.5	83.1	83.2	83.4	83.7
GE 1500	39.6	51.8	61.5	68.1	74.6	78.5	80.6	81.4	81.9	83.5	84.8	84.8	85.6	85.7	85.9	86.1
GE 1200	39.9	52.3	62.2	68.7	75.4	79.2	81.5	82.4	82.9	84.5	85.8	85.8	86.6	86.7	86.9	87.1
GE 1000	40.8	53.4	63.5	70.1	76.9	80.8	83.1	84.1	84.6	86.3	87.6	87.6	88.4	88.5	88.7	88.9
GE 900	40.8	53.4	63.5	70.1	77.0	81.0	83.3	84.3	84.9	86.7	88.0	88.0	88.7	88.8	89.0	89.2
GE 800	40.9	53.8	64.0	70.8	77.6	81.8	84.2	85.3	85.9	87.6	88.9	88.9	89.7	89.8	90.0	90.2
GE 700	41.2	54.1	64.7	71.7	78.7	82.9	85.3	86.5	87.1	88.8	90.2	90.2	91.0	91.1	91.3	91.5
GE 600	41.2	54.2	64.9	72.0	79.0	83.4	86.0	87.2	88.0	89.9	91.3	91.3	92.0	92.2	92.4	92.6
GE 500	41.4	54.4	65.4	72.6	80.0	84.6	87.5	89.0	89.8	91.9	93.4	93.4	94.5	94.6	94.8	95.1
GE 400	41.4	54.4	65.4	72.6	80.1	84.8	87.8	89.6	90.3	92.7	94.4	94.5	95.6	95.7	95.9	96.1
GE 300	41.4	54.4	65.4	72.6	80.2	84.9	88.2	90.3	91.2	94.0	96.3	96.5	97.8	98.0	98.2	98.4
GE 200	41.5	54.5	65.6	72.8	80.4	85.2	88.4	90.8	91.6	94.5	97.3	97.5	98.9	99.0	99.2	99.6
GE 100	41.5	54.5	65.6	72.8	80.4	85.2	88.4	90.8	91.6	94.6	97.4	97.6	99.0	99.4	99.6	99.9
GE 000	41.5	54.5	65.6	72.8	80.4	85.2	88.4	90.8	91.6	94.6	97.4	97.6	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.7	39.6	45.2	48.6	50.2	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 20000	35.4	44.6	51.3	55.6	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 18000	35.4	44.7	51.4	55.7	57.5	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 16000	35.4	44.7	51.4	55.7	57.5	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 14000	35.4	44.8	51.6	56.2	58.1	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	36.9	47.4	54.5	59.2	61.2	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 10000	39.9	51.0	58.4	63.7	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 9000	39.9	51.0	58.4	63.7	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 8000	41.9	54.9	63.2	68.7	71.2	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 7000	42.4	55.7	64.2	69.7	72.2	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 6000	42.5	55.8	64.3	69.8	72.3	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 5000	42.7	56.2	64.9	70.6	73.1	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	43.2	56.8	65.7	71.5	74.2	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4000	44.0	58.3	67.5	73.9	76.8	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3500	44.8	59.2	68.6	75.2	78.3	78.4	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3000	47.4	62.5	72.4	79.6	82.8	83.0	83.4	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	48.4	64.0	74.1	81.4	84.9	85.2	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2000	49.7	65.5	75.6	82.9	86.8	87.0	87.5	87.6	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 1800	49.8	65.6	75.7	83.0	86.9	87.1	87.6	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 1500	50.8	67.1	77.3	84.8	88.7	88.9	89.7	89.9	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	51.2	67.7	78.1	85.7	89.9	90.1	90.9	91.1	91.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	51.4	68.4	78.8	86.6	91.1	91.4	92.3	92.5	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	51.4	68.5	78.9	86.8	91.3	91.6	92.5	92.7	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	51.4	68.5	79.1	87.0	91.7	92.0	93.0	93.2	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
GE 700	51.4	68.5	79.4	87.3	92.6	93.0	94.0	94.2	94.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5
GE 600	51.4	68.5	79.5	87.7	93.2	93.9	94.8	95.4	95.8	96.5	96.9	96.9	97.0	97.0	97.0	97.0
GE 500	51.5	68.6	80.0	88.4	94.0	94.7	96.1	97.0	97.4	98.1	98.5	98.5	98.6	98.6	98.6	98.6
GE 400	51.5	68.6	80.1	88.5	94.3	95.2	96.8	97.6	98.1	98.8	99.2	99.2	99.4	99.4	99.4	99.4
GE 300	51.5	68.6	80.2	88.7	94.6	95.6	97.3	98.2	98.6	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	51.5	68.6	80.2	88.7	94.6	95.6	97.3	98.2	98.6	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	51.5	68.6	80.2	88.7	94.6	95.6	97.3	98.2	98.6	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	51.5	68.6	80.2	88.7	94.6	95.6	97.3	98.2	98.6	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.7	36.3	41.1	43.5	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	34.0	42.6	49.5	52.9	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 18000	34.0	42.6	49.5	52.9	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	34.0	42.6	49.6	53.0	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	34.7	43.3	50.3	54.1	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 12000	36.0	45.4	52.9	56.9	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 10000	38.6	48.3	56.2	60.6	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	38.7	48.5	56.5	60.9	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	41.4	52.3	61.0	65.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	41.5	52.6	61.3	65.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 6000	41.8	53.1	62.0	66.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 5000	42.5	54.0	62.9	67.7	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 4500	43.4	55.4	64.6	69.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4000	45.3	58.5	68.6	73.8	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3500	48.1	62.7	74.4	80.3	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.5	82.5
GE 3000	52.9	68.1	80.8	87.2	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0
GE 2500	53.7	69.2	82.0	88.5	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5
GE 2000	55.5	71.4	84.6	91.2	93.8	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6
GE 1800	55.7	71.6	84.9	91.5	94.1	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.9	94.9	94.9	94.9
GE 1500	56.2	72.5	85.9	92.5	95.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3
GE 1200	56.5	72.9	86.5	93.0	96.0	96.6	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0
GE 1000	56.6	73.0	86.6	93.2	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
GE 900	56.7	73.2	87.1	93.8	97.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 800	56.9	73.4	87.3	94.0	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6
GE 700	57.0	73.7	87.5	94.4	98.0	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 600	57.0	73.7	87.5	94.6	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 500	57.0	73.7	87.7	94.8	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 400	57.0	73.7	87.7	94.8	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	57.0	73.7	88.1	95.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	57.0	73.7	88.1	95.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	57.0	73.7	88.1	95.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	57.0	73.7	88.1	95.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.8	38.5	43.5	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 20000	35.6	45.9	51.7	54.6	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	35.8	46.1	51.9	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	35.8	46.1	51.9	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	35.8	46.1	52.0	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	36.1	47.0	53.8	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 10000	38.8	50.1	57.2	60.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	38.8	50.3	57.5	60.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 8000	41.3	54.1	62.5	66.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 7000	41.6	54.4	62.8	66.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 6000	42.2	55.2	63.5	67.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 5000	44.7	58.3	67.1	71.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4500	45.7	59.8	69.0	73.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 4000	47.0	61.9	71.9	77.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3500	49.4	65.7	77.5	83.0	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 3000	53.7	71.7	84.3	90.1	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
GE 2500	54.0	72.2	84.7	90.6	93.1	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
GE 2000	55.5	73.7	86.2	92.4	95.1	95.4	95.7	95.7	95.7	95.8	95.9	95.9	96.0	96.0	96.0	96.0
GE 1800	55.7	73.9	86.5	92.6	95.3	95.6	95.9	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2
GE 1500	55.9	74.4	87.3	93.4	96.2	96.6	96.9	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 1200	56.0	74.5	87.4	93.7	96.5	96.9	97.2	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5
GE 1000	56.2	74.8	88.0	94.2	97.0	97.7	98.1	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 900	56.3	74.9	88.1	94.4	97.2	98.0	98.3	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 800	56.7	75.4	88.5	94.8	97.6	98.4	98.7	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0
GE 700	56.9	75.6	88.7	95.1	97.8	98.6	98.9	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 600	56.9	75.6	88.7	95.1	97.8	98.6	98.9	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	56.9	75.6	88.7	95.1	97.8	98.6	99.1	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	56.9	75.7	89.0	95.4	98.2	98.9	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	56.9	75.7	89.0	95.4	98.2	98.9	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	56.9	75.7	89.0	95.4	98.2	98.9	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	56.9	75.7	89.0	95.4	98.2	98.9	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	56.9	75.7	89.0	95.4	98.2	98.9	99.5	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.8	43.4	47.2	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 20000	41.0	51.9	57.6	61.2	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 18000	41.0	51.9	57.6	61.3	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 16000	41.0	51.9	57.6	61.3	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 14000	41.7	52.7	58.5	62.2	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	42.4	53.8	60.0	64.0	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 10000	45.8	58.1	64.5	68.8	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 9000	45.8	58.4	64.8	69.2	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 8000	48.5	62.6	69.8	74.3	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 7000	48.8	62.9	70.1	74.6	76.0	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 6000	49.0	63.1	70.3	74.9	76.6	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 5000	50.6	65.3	72.8	77.8	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 4500	51.0	66.0	73.8	78.9	80.8	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4000	52.5	67.8	76.0	82.5	84.5	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3500	52.8	68.5	77.4	84.3	86.7	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	54.0	70.2	79.4	86.9	90.5	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	54.4	70.9	80.0	88.1	91.8	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	54.7	71.2	80.3	88.6	93.1	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	54.9	71.4	80.5	88.8	93.3	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1500	56.0	72.7	81.9	90.2	95.1	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	56.0	72.7	81.9	90.2	95.1	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	56.3	73.0	82.4	90.9	95.8	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	56.3	73.0	82.4	90.9	95.8	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	56.6	73.2	82.7	91.4	96.3	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	56.6	73.2	82.7	91.5	96.8	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	56.6	73.2	82.7	91.5	96.9	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	56.6	73.2	82.8	91.6	97.0	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	56.6	73.3	83.0	91.8	97.2	98.3	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	56.6	73.4	83.1	91.9	97.4	98.5	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	56.6	73.4	83.1	91.9	97.4	98.5	99.1	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	56.6	73.4	83.1	91.9	97.4	98.5	99.1	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 000	56.6	73.4	83.1	91.9	97.4	98.5	99.1	99.5	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.2	45.4	49.5	52.4	55.6	55.8	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	40.1	50.8	55.8	59.8	63.7	63.9	64.5	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 18000	40.2	50.9	55.9	59.9	63.8	64.0	64.6	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 16000	40.2	50.9	55.9	59.9	63.8	64.0	64.6	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 14000	40.3	51.0	56.0	60.0	63.9	64.2	64.8	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 12000	41.0	51.7	57.3	61.4	65.4	65.8	66.5	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 10000	43.4	54.9	60.8	65.2	69.2	69.7	70.3	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 9000	43.4	55.4	61.2	65.6	69.7	70.1	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 8000	46.2	59.2	65.8	71.0	75.3	75.7	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 7000	46.5	59.5	66.0	71.3	75.6	76.0	76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 6000	46.5	59.6	66.1	71.4	75.8	76.2	76.9	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 5000	47.7	61.2	67.7	73.5	78.1	78.5	79.1	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 4500	48.3	61.8	68.4	74.3	78.9	79.4	80.1	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 4000	49.0	62.9	70.5	76.8	81.7	82.2	82.9	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3500	49.8	63.9	71.7	78.5	83.9	84.3	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 3000	50.9	65.6	74.1	81.6	88.0	88.6	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2500	51.2	65.9	74.7	82.7	89.2	89.9	91.1	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000	51.2	66.0	75.2	83.2	89.8	90.4	91.6	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1800	51.3	66.2	75.5	83.5	90.1	90.8	91.9	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1500	51.9	67.3	77.0	85.4	92.2	92.9	94.3	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	51.9	67.4	77.1	85.5	92.3	93.0	94.5	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	52.3	67.8	78.1	86.5	93.4	94.2	95.9	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	52.3	67.8	78.1	86.6	93.5	94.3	96.0	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	52.3	67.8	78.1	86.6	93.5	94.3	96.0	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	52.3	67.8	78.2	86.7	94.0	94.7	96.5	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	52.3	67.8	78.3	87.0	94.3	95.1	96.9	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	52.3	67.8	78.4	87.1	94.4	95.2	97.1	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	52.3	67.8	78.4	87.1	94.7	95.6	97.6	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	52.3	68.0	78.5	87.2	95.1	95.9	98.1	98.6	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	52.3	68.0	78.5	87.2	95.1	95.9	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	52.3	68.0	78.5	87.2	95.1	95.9	98.3	98.8	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	52.3	68.0	78.5	87.2	95.1	95.9	98.3	98.8	98.9	99.7	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.5	38.8	43.6	46.6	48.3	49.0	49.5	49.7	49.7	49.8	49.9	50.0	50.0	50.0	50.1	50.1
GE 20000	35.6	44.7	50.8	54.6	56.9	57.7	58.3	58.7	58.8	58.9	59.1	59.1	59.2	59.2	59.2	59.3
GE 18000	35.7	44.8	50.8	54.7	57.0	57.8	58.4	58.8	58.8	59.0	59.2	59.2	59.2	59.3	59.3	59.4
GE 16000	35.7	44.8	50.9	54.7	57.0	57.8	58.4	58.8	58.8	59.0	59.2	59.2	59.3	59.3	59.3	59.4
GE 14000	35.9	45.0	51.2	55.1	57.5	58.3	58.9	59.3	59.3	59.5	59.7	59.7	59.8	59.8	59.8	59.9
GE 12000	36.7	46.3	52.9	57.0	59.5	60.3	61.0	61.4	61.5	61.7	61.9	61.9	61.9	62.0	62.0	62.1
GE 10000	39.1	49.4	56.4	60.9	63.8	64.7	65.5	65.9	65.9	66.2	66.4	66.4	66.5	66.5	66.5	66.6
GE 9000	39.2	49.6	56.6	61.2	64.1	64.9	65.8	66.1	66.2	66.4	66.6	66.7	66.7	66.7	66.8	66.9
GE 8000	41.6	53.2	61.1	66.1	69.3	70.3	71.1	71.5	71.6	71.8	72.0	72.1	72.2	72.2	72.2	72.3
GE 7000	42.0	53.7	61.7	66.7	69.9	70.8	71.7	72.1	72.2	72.4	72.6	72.7	72.7	72.8	72.8	72.9
GE 6000	42.2	53.9	62.0	67.0	70.3	71.3	72.1	72.6	72.6	72.8	73.1	73.1	73.2	73.2	73.2	73.3
GE 5000	43.1	55.2	63.4	68.7	72.0	73.1	74.0	74.4	74.4	74.7	74.9	74.9	75.0	75.0	75.1	75.1
GE 4500	43.7	56.0	64.3	69.7	73.1	74.1	75.0	75.5	75.5	75.8	76.0	76.0	76.1	76.1	76.2	76.2
GE 4000	44.6	57.6	66.5	72.4	76.1	77.3	78.3	78.7	78.7	79.0	79.2	79.3	79.4	79.4	79.4	79.5
GE 3500	45.7	59.2	68.8	75.0	79.0	80.1	81.1	81.6	81.7	81.9	82.2	82.2	82.4	82.4	82.4	82.5
GE 3000	47.7	62.0	72.1	78.8	83.3	84.6	85.7	86.1	86.2	86.5	86.8	86.8	87.0	87.0	87.0	87.1
GE 2500	48.2	62.8	73.2	80.0	84.6	85.9	87.0	87.6	87.6	88.0	88.3	88.3	88.5	88.5	88.5	88.6
GE 2000	48.9	63.7	74.2	81.2	86.0	87.4	88.6	89.1	89.2	89.6	90.0	90.0	90.2	90.2	90.3	90.3
GE 1800	49.0	63.8	74.4	81.4	86.2	87.6	88.8	89.3	89.4	89.8	90.2	90.2	90.4	90.4	90.5	90.5
GE 1500	49.6	64.7	75.7	82.8	87.8	89.2	90.5	91.1	91.3	91.7	92.1	92.1	92.3	92.3	92.4	92.5
GE 1200	49.8	65.0	76.1	83.2	88.2	89.7	91.1	91.7	91.8	92.3	92.6	92.7	92.9	92.9	92.9	93.0
GE 1000	50.1	65.5	76.7	83.9	89.2	90.7	92.1	92.7	92.9	93.4	93.8	93.8	94.0	94.0	94.1	94.1
GE 900	50.1	65.5	76.8	84.1	89.4	91.0	92.4	93.0	93.2	93.7	94.0	94.1	94.3	94.3	94.3	94.4
GE 800	50.3	65.7	77.1	84.4	89.7	91.3	92.8	93.4	93.6	94.1	94.5	94.6	94.7	94.8	94.8	94.9
GE 700	50.4	65.8	77.3	84.8	90.3	91.9	93.4	94.1	94.2	94.8	95.2	95.2	95.4	95.4	95.5	95.5
GE 600	50.4	65.8	77.4	85.0	90.6	92.3	93.9	94.6	94.8	95.4	95.8	95.8	96.0	96.0	96.1	96.2
GE 500	50.4	65.9	77.6	85.2	91.0	92.7	94.4	95.2	95.4	96.1	96.6	96.6	96.9	96.9	96.9	97.0
GE 400	50.4	65.9	77.7	85.4	91.2	93.1	94.8	95.7	96.0	96.7	97.2	97.3	97.6	97.6	97.6	97.7
GE 300	50.4	66.0	77.9	85.6	91.6	93.5	95.4	96.5	96.7	97.6	98.3	98.3	98.7	98.8	98.8	98.9
GE 200	50.5	66.0	78.0	85.7	91.7	93.6	95.6	96.7	97.0	98.0	98.7	98.8	99.2	99.2	99.4	99.4
GE 100	50.5	66.0	78.0	85.7	91.7	93.6	95.6	96.7	97.0	98.0	98.8	98.9	99.3	99.4	99.6	99.9
GE 000	50.5	66.0	78.0	85.7	91.7	93.6	95.6	96.7	97.0	98.0	98.8	98.9	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.2	44.5	47.8	52.4	56.6	57.0	57.4	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2
GE 20000	42.5	49.7	53.5	58.6	63.2	64.0	64.5	64.9	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4
GE 18000	42.5	49.7	53.5	58.6	63.2	64.0	64.5	64.9	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	42.5	49.7	53.5	58.6	63.2	64.0	64.5	64.9	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4
GE 14000	42.5	49.7	53.5	58.6	63.2	64.0	64.5	64.9	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	42.6	49.9	53.8	58.9	63.5	64.3	64.8	65.3	65.3	65.5	65.7	65.7	65.7	65.7	65.7	65.7
GE 10000	45.1	53.7	57.8	63.2	68.0	68.8	69.5	69.9	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	45.1	53.7	57.8	63.2	68.0	68.8	69.5	69.9	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3
GE 8000	47.4	56.6	61.5	67.5	72.7	73.7	74.4	74.8	74.8	75.1	75.3	75.3	75.3	75.3	75.3	75.3
GE 7000	47.7	56.9	61.8	67.8	73.0	74.0	74.7	75.2	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6
GE 6000	47.7	57.1	62.0	68.1	73.2	74.5	75.4	75.8	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2
GE 5000	47.8	57.4	62.4	68.4	73.5	74.8	75.7	76.1	76.1	76.3	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	48.1	57.8	63.1	69.5	74.6	75.9	76.8	77.2	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6
GE 4000	49.4	59.7	65.1	71.6	76.8	78.3	79.2	79.7	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	49.9	60.6	66.0	72.6	78.5	80.0	81.0	81.4	81.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8
GE 3000	51.9	63.3	69.2	76.3	82.8	84.4	85.6	86.0	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5
GE 2500	52.2	63.9	70.1	77.4	84.0	85.6	86.8	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	52.9	64.6	71.2	78.6	85.2	86.8	88.2	88.7	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1
GE 1800	52.9	64.6	71.2	78.6	85.2	86.8	88.2	88.7	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	53.4	65.5	72.3	79.8	86.5	88.2	89.7	90.2	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	53.7	65.8	72.9	80.6	87.4	89.1	90.8	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8
GE 1000	53.8	66.0	73.2	81.3	88.2	90.0	91.9	92.7	92.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2
GE 900	53.9	66.1	73.3	81.5	88.4	90.2	92.2	92.9	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	53.9	66.2	73.4	81.7	88.7	90.5	92.5	93.2	93.2	93.4	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	53.9	66.2	73.4	82.2	89.2	91.1	93.0	93.8	93.8	94.1	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	53.9	66.2	73.7	82.7	89.8	91.6	93.5	94.3	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9
GE 500	53.9	66.3	74.0	83.1	90.5	92.4	94.5	95.4	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0
GE 400	54.0	66.6	74.3	83.5	91.2	93.0	95.4	96.2	96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9
GE 300	54.1	66.7	74.7	84.1	91.8	93.7	96.2	97.2	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	54.2	66.8	74.8	84.2	91.9	93.9	96.7	97.7	97.8	98.6	98.9	98.9	99.0	99.0	99.0	99.1
GE 100	54.2	66.8	74.8	84.2	91.9	93.9	96.7	97.7	97.8	98.6	98.9	98.9	99.1	99.1	99.1	99.9
GE 000	54.2	66.8	74.8	84.2	91.9	93.9	96.7	97.7	97.8	98.6	98.9	98.9	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.6	35.8	39.7	43.2	47.7	48.7	50.6	51.4	51.9	52.3	52.9	53.1	53.2	53.2	53.4	53.7
GE 20000	30.9	40.4	44.8	48.8	53.9	54.8	57.3	58.2	58.7	59.2	59.9	60.1	60.2	60.2	60.4	60.6
GE 18000	30.9	40.4	44.8	48.8	53.9	54.8	57.3	58.2	58.7	59.2	59.9	60.1	60.2	60.2	60.4	60.6
GE 16000	30.9	40.4	44.8	48.8	53.9	54.8	57.3	58.2	58.7	59.2	59.9	60.1	60.2	60.2	60.4	60.6
GE 14000	30.9	40.4	44.8	48.8	53.9	54.8	57.3	58.2	58.7	59.2	59.9	60.1	60.2	60.2	60.4	60.6
GE 12000	30.9	40.5	45.1	49.1	54.2	55.2	57.6	58.5	59.0	59.6	60.2	60.4	60.5	60.5	60.8	61.0
GE 10000	33.7	43.8	48.9	53.4	59.1	60.2	62.9	63.9	64.4	64.9	65.7	65.9	66.0	66.0	66.2	66.5
GE 9000	33.7	43.8	48.9	53.4	59.1	60.2	62.9	63.9	64.4	64.9	65.7	65.9	66.0	66.0	66.2	66.5
GE 8000	36.3	46.7	52.4	57.4	63.9	65.1	68.0	69.0	69.6	70.2	71.0	71.2	71.3	71.3	71.5	71.7
GE 7000	36.3	46.9	52.7	57.8	64.3	65.5	68.4	69.5	70.0	70.6	71.4	71.6	71.7	71.7	71.9	72.2
GE 6000	36.3	46.9	52.8	58.0	64.4	65.6	68.5	69.7	70.2	70.9	71.6	71.8	71.9	71.9	72.2	72.4
GE 5000	36.8	47.5	53.7	58.8	65.3	66.5	69.4	70.6	71.2	71.8	72.6	72.8	72.9	72.9	73.1	73.3
GE 4500	37.2	48.0	54.1	59.6	66.1	67.4	70.4	71.7	72.3	72.9	73.7	73.9	74.0	74.0	74.2	74.4
GE 4000	38.0	48.9	55.3	60.9	67.4	69.0	72.0	73.3	73.9	74.5	75.3	75.5	75.6	75.6	75.8	76.0
GE 3500	38.5	50.2	56.6	62.4	69.1	70.8	73.8	75.2	75.7	76.3	77.1	77.3	77.4	77.4	77.6	77.8
GE 3000	39.0	51.3	58.2	64.2	71.7	73.8	76.9	78.4	78.9	79.6	80.3	80.5	80.6	80.6	80.9	81.1
GE 2500	39.7	52.3	59.2	65.4	73.1	75.2	78.3	79.8	80.3	81.0	81.7	81.9	82.0	82.0	82.3	82.5
GE 2000	39.9	52.5	59.6	65.8	73.5	75.7	79.1	80.9	81.4	82.0	82.8	83.0	83.1	83.1	83.3	83.5
GE 1800	39.9	52.6	59.7	65.9	73.7	75.8	79.2	81.0	81.5	82.2	82.9	83.1	83.2	83.2	83.4	83.7
GE 1500	40.9	54.1	61.3	67.7	75.7	77.8	81.5	83.2	83.8	84.4	85.3	85.5	85.6	85.6	85.8	86.0
GE 1200	41.3	54.7	62.0	68.7	76.7	78.8	82.5	84.2	84.7	85.4	86.2	86.5	86.6	86.6	86.8	87.0
GE 1000	41.4	54.9	62.4	69.5	77.7	79.9	83.7	85.4	85.9	86.6	87.4	87.6	87.7	87.7	88.0	88.2
GE 900	41.5	55.2	62.7	70.1	78.4	80.5	84.3	86.0	86.6	87.2	88.1	88.3	88.4	88.4	88.6	88.8
GE 800	41.5	55.3	62.8	70.3	78.7	80.9	84.6	86.5	87.0	87.7	88.7	88.9	89.1	89.1	89.4	89.6
GE 700	41.6	55.5	63.1	70.6	79.4	81.5	85.3	87.1	87.6	88.4	89.4	89.6	89.8	89.8	90.0	90.2
GE 600	41.7	55.7	63.3	70.9	79.9	82.3	86.0	88.0	88.5	89.2	90.2	90.4	90.6	90.6	90.9	91.1
GE 500	41.9	55.9	64.0	71.6	81.2	83.8	87.6	89.7	90.2	91.0	91.9	92.2	92.4	92.4	92.6	92.8
GE 400	42.2	56.3	64.5	72.2	81.8	84.7	88.6	90.9	91.4	92.4	93.3	93.5	93.8	93.8	94.0	94.2
GE 300	42.3	56.7	64.8	72.6	82.4	85.4	89.4	91.8	92.4	93.3	94.7	94.9	95.2	95.2	95.4	95.7
GE 200	42.3	56.7	64.8	72.7	82.6	85.7	89.9	92.7	93.3	94.3	96.2	96.5	97.0	97.0	97.4	98.0
GE 100	42.3	56.7	64.8	72.7	82.6	85.7	90.1	92.9	93.7	94.6	96.7	97.0	97.6	97.8	98.6	99.8
GE 000	42.3	56.7	64.8	72.7	82.6	85.7	90.1	92.9	93.7	94.6	96.7	97.0	97.6	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.2	32.3	37.6	39.8	43.1	44.9	45.9	46.8	47.1	47.7	48.5	48.5	48.7	48.9	48.9	49.2
GE 20000	29.7	37.7	43.7	46.1	49.9	52.0	53.2	54.3	54.7	55.6	56.5	56.5	56.7	56.9	57.1	57.4
GE 18000	29.8	37.8	43.8	46.2	50.0	52.2	53.3	54.4	54.8	55.7	56.6	56.6	56.8	57.0	57.2	57.5
GE 16000	29.8	37.8	43.8	46.2	50.0	52.2	53.3	54.4	54.8	55.7	56.6	56.6	56.8	57.0	57.2	57.5
GE 14000	29.8	37.8	43.8	46.2	50.0	52.2	53.3	54.4	54.8	55.7	56.6	56.6	56.8	57.0	57.2	57.5
GE 12000	30.5	39.0	45.1	47.7	51.5	53.7	54.8	55.9	56.3	57.2	58.1	58.1	58.3	58.5	58.7	59.0
GE 10000	33.3	42.4	48.8	51.9	56.0	58.8	60.3	61.6	62.3	63.2	64.1	64.1	64.4	64.6	64.8	65.2
GE 9000	33.3	42.5	48.9	52.0	56.1	58.9	60.4	61.7	62.4	63.3	64.2	64.2	64.5	64.7	64.9	65.3
GE 8000	36.5	45.9	52.9	56.1	60.5	63.7	65.4	67.1	67.7	68.8	69.7	69.7	70.2	70.5	70.8	71.1
GE 7000	36.8	46.3	53.3	56.7	61.1	64.2	65.9	67.6	68.3	69.4	70.2	70.2	70.8	71.1	71.3	71.6
GE 6000	37.2	46.9	53.9	57.2	61.6	64.7	66.5	68.2	68.8	69.9	70.8	70.8	71.3	71.6	71.8	72.2
GE 5000	38.5	48.2	55.4	58.9	63.3	66.5	68.6	70.3	71.0	72.0	72.9	72.9	73.4	73.8	74.0	74.3
GE 4500	39.1	48.8	56.1	59.8	64.2	67.4	69.8	71.6	72.4	73.4	74.3	74.3	74.8	75.2	75.4	75.7
GE 4000	39.7	49.6	56.9	60.6	65.2	68.5	70.9	72.7	73.4	74.5	75.4	75.4	75.9	76.2	76.5	76.8
GE 3500	40.3	50.3	57.6	61.5	66.0	69.4	71.7	73.5	74.3	75.4	76.2	76.2	76.8	77.1	77.3	77.6
GE 3000	41.2	51.4	59.7	63.9	68.8	72.2	74.7	76.8	77.7	78.9	79.8	79.8	80.4	80.8	81.0	81.3
GE 2500	41.5	51.9	60.5	65.3	70.2	73.5	76.1	78.2	79.1	80.3	81.2	81.2	81.8	82.2	82.4	82.7
GE 2000	41.6	52.3	60.9	66.0	71.0	74.3	77.0	79.0	80.0	81.2	82.0	82.0	82.7	83.0	83.2	83.5
GE 1800	41.6	52.3	60.9	66.0	71.1	74.4	77.1	79.1	80.1	81.3	82.2	82.2	82.8	83.1	83.3	83.7
GE 1500	41.8	52.6	61.6	67.0	72.4	75.7	78.7	81.0	81.9	83.1	84.0	84.0	84.6	84.9	85.2	85.5
GE 1200	42.4	53.2	62.4	67.7	73.1	76.6	79.7	82.2	83.1	84.3	85.2	85.2	85.8	86.1	86.3	86.7
GE 1000	42.5	53.4	62.8	68.5	74.0	77.6	80.9	83.5	84.6	86.3	87.6	87.6	88.4	88.7	88.9	89.2
GE 900	42.5	53.7	63.0	68.8	74.3	78.0	81.2	83.9	84.9	86.7	88.1	88.1	88.8	89.1	89.4	89.7
GE 800	42.7	54.1	63.4	69.4	74.9	78.7	81.9	84.7	85.8	87.5	89.0	89.0	89.8	90.1	90.3	90.6
GE 700	42.9	54.5	64.0	70.2	76.1	79.9	83.2	86.1	87.2	88.9	90.4	90.4	91.2	91.5	91.7	92.2
GE 600	42.9	54.5	64.1	70.3	76.3	80.2	83.7	86.6	87.6	89.5	91.0	91.0	91.7	92.0	92.3	92.7
GE 500	43.0	54.6	64.3	70.9	77.3	81.5	85.2	88.1	89.1	91.0	92.5	92.5	93.3	93.7	93.9	94.3
GE 400	43.0	54.7	64.6	71.3	77.8	82.4	86.0	89.4	90.4	92.5	94.0	94.0	94.8	95.4	95.6	96.0
GE 300	43.1	54.9	64.8	71.6	78.2	82.7	86.5	89.8	90.9	93.0	94.7	94.7	96.0	96.6	96.8	97.2
GE 200	43.1	54.9	64.8	71.6	78.3	82.9	86.7	90.0	91.2	93.8	95.7	95.9	97.3	98.0	98.4	99.0
GE 100	43.1	54.9	64.8	71.6	78.3	82.9	86.7	90.0	91.2	94.0	95.9	96.2	97.7	98.6	99.0	99.8
GE 000	43.1	54.9	64.8	71.6	78.3	82.9	86.7	90.0	91.2	94.0	95.9	96.2	97.7	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.3	44.2	47.4	49.4	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 20000	40.4	49.1	53.0	55.5	58.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	40.5	49.2	53.1	55.6	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	40.5	49.2	53.1	55.6	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	40.6	49.5	53.3	55.8	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	42.6	51.9	55.9	58.5	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 10000	45.9	56.2	60.9	64.0	66.6	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 9000	45.9	56.2	60.9	64.0	66.6	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 8000	48.5	59.8	64.5	68.2	71.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 7000	48.8	60.3	65.1	68.9	71.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 6000	49.1	60.6	65.4	69.2	72.3	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 5000	49.8	61.3	66.0	69.9	72.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	50.9	62.5	67.2	71.1	74.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	51.8	63.9	68.7	72.9	76.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3500	52.4	64.5	69.4	73.5	77.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	56.0	68.9	75.3	80.2	84.4	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	56.8	70.3	76.9	82.3	86.6	88.0	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2000	57.6	71.5	78.3	83.9	88.5	90.0	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	57.7	71.7	78.7	84.3	88.9	90.4	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	58.3	72.3	79.2	85.1	90.0	91.7	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200	58.6	72.6	79.8	85.8	90.9	92.7	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1000	59.7	73.8	81.3	87.7	93.1	94.9	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	59.8	74.0	81.6	88.2	93.7	95.5	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	59.8	74.1	81.7	88.3	94.0	95.8	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	59.8	74.1	81.9	88.7	94.5	96.5	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	59.8	74.1	81.9	88.8	94.6	96.6	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	59.8	74.3	82.2	89.4	95.5	97.6	98.4	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 400	59.9	74.5	82.4	89.6	95.7	97.8	98.6	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	59.9	74.5	82.4	89.6	95.8	98.1	98.8	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	59.9	74.5	82.4	89.6	95.8	98.1	98.8	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	59.9	74.5	82.4	89.6	95.8	98.1	98.8	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	59.9	74.5	82.4	89.6	95.8	98.1	98.8	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.3	41.4	43.8	44.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 20000	41.3	48.6	52.5	55.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	41.3	48.7	52.6	55.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	41.3	48.7	52.6	55.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	41.3	49.0	52.9	55.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 12000	42.7	50.6	54.9	57.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10000	44.8	54.5	58.8	61.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	44.9	54.6	58.9	62.0	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	47.8	58.1	62.6	65.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	48.1	58.3	62.8	66.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 6000	48.4	58.7	63.2	67.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 5000	49.7	60.4	65.1	68.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 4500	50.6	61.5	66.1	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	52.0	64.4	69.1	73.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3500	54.0	67.1	72.6	77.5	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3000	59.7	74.6	80.5	86.0	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	61.0	76.8	82.7	88.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	62.3	78.4	84.6	90.5	94.6	94.8	94.8	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	62.3	78.4	84.6	90.5	94.6	94.8	94.8	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	62.5	78.6	84.8	91.4	95.6	95.8	95.8	95.8	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	62.5	78.7	84.9	91.5	95.7	96.0	96.0	96.0	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	63.0	79.4	85.7	92.5	96.9	97.2	97.2	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	63.1	79.6	86.0	92.8	97.2	97.5	97.5	97.5	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	63.1	79.9	86.3	93.3	98.0	98.3	98.3	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	63.1	79.9	86.5	93.7	98.4	98.7	98.7	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	63.1	80.0	86.6	93.8	98.5	99.1	99.1	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	63.1	80.0	86.6	93.8	98.5	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	63.1	80.0	86.6	93.8	98.5	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	63.1	80.0	86.6	93.8	98.5	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	63.1	80.0	86.6	93.8	98.5	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.1	80.0	86.6	93.8	98.5	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	63.1	80.0	86.6	93.8	98.5	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.3	43.5	46.9	47.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	42.0	52.6	57.3	58.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	42.0	52.6	57.3	58.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	42.0	52.6	57.3	58.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	42.2	52.7	57.5	58.9	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 12000	43.1	53.9	59.0	60.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 10000	46.1	58.5	63.9	66.0	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 9000	46.1	58.5	63.9	66.0	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 8000	49.1	62.5	68.4	71.5	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 7000	50.0	63.7	69.6	73.1	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 6000	50.3	64.0	70.0	73.7	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 5000	51.0	65.2	71.2	74.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 4500	51.5	66.0	72.2	76.1	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4000	54.4	70.0	76.2	80.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3500	56.1	72.7	79.1	83.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3000	58.4	76.3	83.4	88.9	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2500	59.2	77.6	84.8	90.4	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2000	59.7	78.5	85.9	91.7	94.7	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	59.7	78.5	86.0	91.8	94.8	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	59.7	78.6	86.2	92.3	95.3	95.8	95.9	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	60.0	79.0	86.7	92.7	95.8	96.3	96.5	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000	60.1	79.1	86.8	93.0	96.8	97.3	97.5	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	60.1	79.1	86.8	93.0	96.9	97.4	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	60.1	79.2	86.9	93.1	97.0	97.5	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	60.1	79.4	87.1	93.4	97.5	98.1	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	60.1	79.5	87.2	93.5	97.7	98.3	98.6	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	60.2	79.6	87.4	93.9	98.3	98.8	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	60.2	79.6	87.4	93.9	98.3	98.8	99.1	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	60.2	79.6	87.4	93.9	98.3	98.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	60.2	79.6	87.4	93.9	98.3	98.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	60.2	79.6	87.4	93.9	98.3	98.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	60.2	79.6	87.4	93.9	98.3	98.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.0	45.7	49.0	50.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	45.2	54.8	59.5	61.8	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 18000	45.2	54.8	59.5	61.9	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 16000	45.2	54.8	59.5	61.9	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 14000	45.5	55.2	59.9	62.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 12000	46.2	56.9	62.0	64.7	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 10000	49.1	61.7	67.5	70.4	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 9000	49.1	61.7	67.5	70.4	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 8000	53.0	66.3	72.5	75.9	78.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	54.0	67.4	73.5	77.0	79.6	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 6000	54.3	67.8	74.0	77.4	80.0	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 5000	55.4	69.6	75.7	79.1	81.7	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4500	55.9	70.3	76.7	80.3	83.1	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	58.2	73.2	79.8	83.7	86.6	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 3500	58.9	74.4	81.1	84.9	87.8	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000	60.2	76.6	83.3	87.8	91.5	92.2	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	60.5	77.0	83.8	88.3	91.9	92.6	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	61.0	77.4	84.4	88.9	92.6	93.2	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	61.1	77.5	84.5	89.0	92.7	93.3	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	61.4	78.0	85.1	89.6	93.2	94.2	94.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.6
GE 1200	61.4	78.1	85.2	90.0	93.8	94.7	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.1
GE 1000	61.6	78.5	85.7	90.6	94.4	95.6	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	97.0
GE 900	61.6	78.5	85.7	90.6	94.5	95.7	96.5	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1
GE 800	61.9	78.8	86.0	91.0	94.8	96.0	96.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 700	61.9	78.9	86.2	91.2	95.1	96.3	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 600	62.0	79.0	86.3	91.3	95.3	96.6	97.3	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE 500	62.2	79.2	86.6	91.6	95.7	97.3	98.2	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 400	62.2	79.2	86.6	91.6	95.8	97.4	98.4	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 300	62.2	79.2	86.6	91.6	95.8	97.4	98.4	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 200	62.2	79.2	86.6	91.6	95.8	97.4	98.4	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9
GE 100	62.2	79.2	86.6	91.6	95.8	97.4	98.4	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0
GE 000	62.2	79.2	86.6	91.6	95.8	97.4	98.4	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.5	48.8	53.4	57.0	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 20000	46.7	55.2	60.6	64.9	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	46.7	55.2	60.6	64.9	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	46.7	55.2	60.6	64.9	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	46.9	55.4	60.9	65.2	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 12000	47.3	56.2	61.7	66.1	68.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 10000	50.9	60.4	66.1	70.5	73.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 9000	50.9	60.4	66.1	70.5	73.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	53.2	63.7	70.1	75.1	78.4	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 7000	53.7	64.4	70.9	75.8	79.1	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	53.7	64.4	71.0	75.9	79.4	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 5000	54.4	65.2	71.8	76.8	80.3	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 4500	54.4	65.7	72.6	77.6	81.2	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4000	55.8	68.1	75.4	80.8	84.4	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3500	56.6	68.8	76.3	81.9	86.0	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 3000	57.7	70.4	78.4	84.6	89.4	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	58.2	70.9	78.9	85.3	90.0	90.9	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	58.7	71.4	79.6	86.0	90.9	91.8	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1800	58.7	71.4	79.6	86.0	90.9	91.8	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	59.0	71.7	80.1	86.8	91.6	92.6	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200	59.0	71.8	80.2	87.0	91.9	92.9	93.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	59.1	72.4	81.1	88.0	92.9	93.9	94.7	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	59.4	72.7	81.4	88.3	93.2	94.3	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 800	59.5	73.0	81.8	88.7	93.7	94.7	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	59.6	73.1	82.2	89.0	94.5	95.6	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	59.6	73.1	82.2	89.0	94.5	95.6	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	59.7	73.2	82.4	89.4	95.2	96.2	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	59.8	73.3	82.7	89.7	95.8	96.9	98.1	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	59.8	73.3	82.7	89.7	95.8	96.9	98.2	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	59.8	73.3	82.7	89.7	95.9	97.1	98.4	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	59.8	73.3	82.7	89.7	95.9	97.1	98.4	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.7	100.0
GE 000	59.8	73.3	82.7	89.7	95.9	97.1	98.4	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.9	42.0	45.7	48.1	50.6	51.1	51.5	51.8	51.9	52.0	52.2	52.3	52.3	52.3	52.4	52.4
GE 20000	39.8	48.5	53.1	56.2	59.2	59.9	60.4	60.7	60.8	61.0	61.3	61.3	61.3	61.3	61.4	61.5
GE 18000	39.9	48.6	53.2	56.3	59.2	59.9	60.5	60.8	60.9	61.1	61.3	61.3	61.4	61.4	61.5	61.5
GE 16000	39.9	48.6	53.2	56.3	59.2	59.9	60.5	60.8	60.9	61.1	61.3	61.3	61.4	61.4	61.5	61.5
GE 14000	39.9	48.7	53.3	56.5	59.4	60.1	60.7	61.0	61.1	61.3	61.5	61.5	61.6	61.6	61.6	61.7
GE 12000	40.7	49.9	54.7	58.0	60.9	61.7	62.2	62.5	62.6	62.8	63.0	63.1	63.1	63.1	63.2	63.3
GE 10000	43.6	53.9	59.1	62.7	65.9	66.8	67.4	67.7	67.9	68.1	68.3	68.3	68.4	68.4	68.5	68.5
GE 9000	43.6	53.9	59.1	62.7	65.9	66.8	67.4	67.8	67.9	68.1	68.3	68.4	68.4	68.5	68.5	68.6
GE 8000	46.5	57.4	63.1	67.2	70.8	71.8	72.5	72.9	73.0	73.3	73.5	73.5	73.6	73.7	73.7	73.8
GE 7000	46.9	58.0	63.7	68.0	71.5	72.5	73.3	73.7	73.8	74.1	74.3	74.3	74.4	74.4	74.5	74.6
GE 6000	47.1	58.3	64.0	68.3	71.9	72.9	73.7	74.1	74.2	74.5	74.7	74.7	74.8	74.9	74.9	75.0
GE 5000	47.9	59.3	65.1	69.5	73.1	74.1	74.9	75.4	75.5	75.8	76.0	76.0	76.1	76.1	76.2	76.3
GE 4500	48.5	60.1	66.0	70.5	74.2	75.2	76.1	76.5	76.7	76.9	77.2	77.2	77.3	77.3	77.4	77.4
GE 4000	49.9	62.2	68.3	73.1	76.8	78.0	78.8	79.3	79.4	79.7	79.9	80.0	80.0	80.1	80.1	80.2
GE 3500	50.8	63.6	69.8	74.8	78.9	80.1	80.9	81.4	81.5	81.8	82.0	82.0	82.1	82.2	82.2	82.3
GE 3000	53.0	66.6	73.5	79.0	83.8	85.1	86.1	86.7	86.8	87.1	87.4	87.4	87.5	87.5	87.6	87.6
GE 2500	53.6	67.6	74.6	80.3	85.2	86.5	87.6	88.1	88.3	88.6	88.8	88.9	89.0	89.0	89.0	89.1
GE 2000	54.2	68.3	75.6	81.4	86.4	87.7	88.9	89.5	89.7	90.0	90.3	90.3	90.4	90.4	90.5	90.5
GE 1800	54.2	68.4	75.6	81.5	86.5	87.8	89.0	89.6	89.8	90.1	90.4	90.4	90.5	90.5	90.6	90.6
GE 1500	54.6	68.9	76.3	82.4	87.5	89.0	90.3	90.9	91.1	91.4	91.7	91.7	91.8	91.9	91.9	92.0
GE 1200	54.9	69.2	76.8	83.0	88.2	89.7	91.0	91.7	91.9	92.2	92.5	92.5	92.6	92.6	92.7	92.8
GE 1000	55.1	69.7	77.4	83.9	89.2	90.8	92.2	92.9	93.1	93.6	93.9	93.9	94.0	94.1	94.1	94.2
GE 900	55.2	69.9	77.6	84.2	89.6	91.1	92.6	93.3	93.5	93.9	94.3	94.3	94.4	94.4	94.5	94.6
GE 800	55.3	70.1	77.8	84.5	90.0	91.6	93.0	93.7	93.9	94.4	94.7	94.8	94.9	94.9	95.0	95.1
GE 700	55.4	70.2	78.1	84.9	90.6	92.2	93.7	94.4	94.7	95.1	95.5	95.5	95.6	95.7	95.7	95.8
GE 600	55.4	70.3	78.2	85.0	90.8	92.5	94.0	94.9	95.1	95.6	96.0	96.0	96.1	96.1	96.2	96.3
GE 500	55.5	70.4	78.4	85.4	91.5	93.4	95.0	95.9	96.1	96.6	97.0	97.0	97.2	97.2	97.3	97.4
GE 400	55.5	70.5	78.6	85.7	91.9	93.8	95.5	96.6	96.8	97.4	97.8	97.8	98.0	98.0	98.1	98.2
GE 300	55.6	70.6	78.8	85.8	92.1	94.0	95.8	96.9	97.2	97.8	98.3	98.4	98.6	98.6	98.7	98.8
GE 200	55.6	70.6	78.8	85.9	92.1	94.1	95.9	97.2	97.4	98.2	98.8	98.8	99.1	99.2	99.3	99.4
GE 100	55.6	70.6	78.8	85.9	92.1	94.1	96.0	97.2	97.5	98.2	98.8	98.9	99.2	99.4	99.5	99.9
GE 000	55.6	70.6	78.8	85.9	92.1	94.1	96.0	97.2	97.5	98.2	98.8	98.9	99.2	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.9	46.8	51.9	54.2	56.1	56.7	57.7	58.3	58.3	58.8	58.9	58.9	59.0	59.0	59.0	59.0
GE 20000	43.6	49.2	55.0	57.8	59.9	60.4	61.6	62.2	62.2	62.7	62.8	62.8	62.9	62.9	62.9	62.9
GE 18000	43.6	49.2	55.0	57.8	59.9	60.4	61.6	62.2	62.2	62.7	62.8	62.8	62.9	62.9	62.9	62.9
GE 16000	43.6	49.2	55.0	57.8	59.9	60.4	61.6	62.2	62.2	62.7	62.8	62.8	62.9	62.9	62.9	62.9
GE 14000	43.6	49.2	55.0	57.8	59.9	60.4	61.6	62.2	62.2	62.7	62.8	62.8	62.9	62.9	62.9	62.9
GE 12000	43.8	49.7	55.7	58.7	60.8	61.3	62.4	63.1	63.1	63.6	63.7	63.7	63.8	63.8	63.8	63.8
GE 10000	45.8	52.1	58.3	61.8	64.0	64.6	65.7	66.3	66.3	66.8	66.9	66.9	67.0	67.0	67.0	67.0
GE 9000	45.8	52.1	58.3	61.8	64.0	64.6	65.7	66.3	66.3	66.8	66.9	66.9	67.0	67.0	67.0	67.0
GE 8000	50.0	56.7	63.3	67.0	69.3	70.0	71.1	71.8	71.9	72.3	72.4	72.4	72.6	72.6	72.6	72.6
GE 7000	50.3	57.0	63.7	67.3	69.7	70.3	71.4	72.1	72.2	72.7	72.8	72.8	72.9	72.9	72.9	72.9
GE 6000	50.4	57.1	63.8	67.4	69.8	70.4	71.6	72.2	72.3	72.8	72.9	72.9	73.0	73.0	73.0	73.0
GE 5000	50.7	57.6	64.2	67.9	70.2	71.0	72.1	72.8	72.9	73.3	73.4	73.4	73.6	73.6	73.6	73.6
GE 4500	51.7	58.9	65.9	69.6	71.9	72.7	73.9	74.6	74.7	75.1	75.2	75.2	75.3	75.3	75.3	75.3
GE 4000	54.0	61.6	68.8	72.4	74.8	75.6	76.8	77.4	77.6	78.0	78.1	78.1	78.2	78.2	78.2	78.2
GE 3500	55.2	63.2	70.9	74.7	77.0	77.8	79.0	79.9	80.1	80.6	80.7	80.7	80.8	80.8	80.8	80.8
GE 3000	57.1	65.7	73.7	78.4	81.6	82.3	83.6	84.4	84.7	85.1	85.2	85.2	85.3	85.3	85.3	85.3
GE 2500	58.0	66.8	74.9	79.8	83.1	83.9	85.1	86.0	86.2	86.7	86.8	86.8	86.9	86.9	86.9	86.9
GE 2000	58.7	67.9	76.6	81.7	85.2	86.0	87.2	88.1	88.3	88.8	88.9	88.9	89.0	89.0	89.0	89.0
GE 1800	58.9	68.1	76.8	81.9	85.4	86.2	87.4	88.3	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.2
GE 1500	59.1	68.7	77.6	82.7	86.4	87.2	88.4	89.3	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.2
GE 1200	59.6	69.1	78.2	83.4	87.7	88.4	89.7	90.6	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.4
GE 1000	60.0	69.7	79.1	84.3	88.8	89.7	90.9	91.8	92.0	92.4	92.6	92.6	92.7	92.7	92.7	92.7
GE 900	60.1	69.9	79.4	84.7	89.1	90.0	91.2	92.1	92.3	92.8	92.9	92.9	93.0	93.0	93.0	93.0
GE 800	60.1	70.1	79.7	85.2	89.8	90.7	92.0	93.0	93.2	93.7	93.8	93.8	93.9	93.9	93.9	93.9
GE 700	60.1	70.1	79.7	85.2	89.8	90.7	92.0	93.1	93.3	94.0	94.2	94.2	94.3	94.3	94.3	94.3
GE 600	60.2	70.2	79.8	85.4	90.3	91.2	92.6	93.7	93.9	94.6	94.9	94.9	95.0	95.0	95.0	95.0
GE 500	60.4	70.4	80.0	85.9	90.9	91.8	93.4	94.6	94.8	95.4	95.8	95.8	95.9	95.9	95.9	95.9
GE 400	60.4	70.4	80.0	86.4	91.7	92.6	94.3	95.4	95.7	96.6	96.9	96.9	97.0	97.0	97.0	97.0
GE 300	60.4	70.4	80.0	86.4	91.7	92.8	94.8	95.9	96.1	97.6	98.0	98.0	98.3	98.3	98.3	98.3
GE 200	60.4	70.4	80.0	86.4	91.9	93.0	95.0	96.1	96.3	98.2	98.9	98.9	99.2	99.2	99.3	99.3
GE 100	60.4	70.4	80.0	86.4	91.9	93.0	95.0	96.1	96.3	98.2	98.9	98.9	99.3	99.3	99.4	99.4
GE 000	60.4	70.4	80.0	86.4	91.9	93.0	95.0	96.1	96.3	98.2	98.9	98.9	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.9	42.4	46.4	50.7	53.9	54.8	55.7	56.9	57.0	57.6	57.7	57.7	57.8	57.8	57.9	58.1
GE 20000	40.6	45.3	49.9	54.7	58.4	59.7	60.7	62.0	62.1	62.7	62.9	62.9	63.0	63.0	63.2	63.4
GE 18000	40.6	45.3	49.9	54.7	58.4	59.7	60.7	62.0	62.1	62.7	62.9	62.9	63.0	63.0	63.2	63.4
GE 16000	40.6	45.3	49.9	54.7	58.4	59.7	60.7	62.0	62.1	62.7	62.9	62.9	63.0	63.0	63.2	63.4
GE 14000	40.6	45.3	49.9	54.7	58.4	59.7	60.7	62.0	62.1	62.7	62.9	62.9	63.0	63.0	63.2	63.4
GE 12000	40.8	45.6	50.1	55.0	58.9	60.1	61.1	62.6	62.7	63.2	63.4	63.4	63.6	63.6	63.8	64.0
GE 10000	42.0	46.8	51.3	56.2	60.6	61.8	62.8	64.2	64.3	64.9	65.1	65.1	65.2	65.2	65.4	65.7
GE 9000	42.0	47.0	51.7	56.6	60.9	62.1	63.1	64.6	64.7	65.2	65.4	65.4	65.6	65.6	65.8	66.0
GE 8000	44.1	49.3	54.4	59.6	64.1	65.3	66.3	68.0	68.1	68.8	69.1	69.1	69.2	69.2	69.4	69.7
GE 7000	44.1	49.3	54.4	59.6	64.1	65.3	66.3	68.0	68.1	68.8	69.1	69.1	69.2	69.2	69.4	69.7
GE 6000	44.1	49.4	54.6	59.8	64.3	65.6	66.6	68.2	68.3	69.0	69.3	69.3	69.4	69.4	69.7	69.9
GE 5000	44.8	50.1	55.2	60.4	65.0	66.2	67.2	68.9	69.0	69.7	70.0	70.0	70.1	70.1	70.3	70.6
GE 4500	45.9	52.0	57.3	62.6	67.1	68.3	69.3	71.0	71.1	71.8	72.1	72.1	72.2	72.2	72.4	72.7
GE 4000	47.3	53.8	59.7	65.1	69.7	70.9	71.9	73.6	73.7	74.3	74.7	74.7	74.8	74.8	75.0	75.2
GE 3500	48.8	55.6	61.6	67.0	71.9	73.1	74.1	75.9	76.0	76.8	77.4	77.4	77.6	77.6	77.8	78.0
GE 3000	49.8	57.2	63.7	69.3	74.3	75.7	76.8	78.6	78.7	79.7	80.3	80.3	80.4	80.4	80.7	80.9
GE 2500	50.6	58.8	65.4	71.2	76.4	77.8	78.9	80.7	80.8	81.8	82.4	82.4	82.6	82.6	82.8	83.0
GE 2000	51.6	59.9	66.9	72.8	78.3	79.7	80.8	82.6	82.7	83.7	84.3	84.3	84.4	84.4	84.7	84.9
GE 1800	51.6	59.9	66.9	72.8	78.4	79.8	80.9	82.7	82.8	83.8	84.4	84.4	84.6	84.6	84.8	85.0
GE 1500	52.1	60.7	67.8	73.7	79.7	81.0	82.2	84.0	84.1	85.1	85.8	85.8	85.9	85.9	86.1	86.3
GE 1200	52.3	61.1	68.7	74.8	80.9	82.2	83.4	85.2	85.3	86.4	87.1	87.1	87.2	87.2	87.4	87.7
GE 1000	52.3	61.1	68.8	74.9	81.0	82.4	84.1	85.9	86.0	87.1	87.8	87.8	87.9	87.9	88.1	88.3
GE 900	52.9	61.8	69.6	76.0	82.7	84.1	85.9	87.7	87.8	88.9	89.6	89.6	89.7	89.7	89.9	90.1
GE 800	53.0	62.2	70.0	76.8	83.6	85.0	87.0	88.9	89.0	90.1	90.8	90.8	90.9	90.9	91.1	91.3
GE 700	53.0	62.2	70.1	77.3	84.3	85.9	88.0	89.9	90.0	91.1	91.9	91.9	92.0	92.0	92.2	92.4
GE 600	53.0	62.2	70.1	77.4	84.8	86.4	88.6	90.4	90.6	91.7	92.4	92.4	92.6	92.6	92.8	93.0
GE 500	53.0	62.2	70.2	77.7	85.0	86.9	89.0	90.9	91.0	92.1	92.9	92.9	93.0	93.0	93.2	93.4
GE 400	53.0	62.3	70.4	78.2	86.2	88.1	90.2	92.1	92.2	93.6	94.3	94.3	94.4	94.4	94.7	94.9
GE 300	53.0	62.3	70.4	78.2	86.2	88.2	90.4	92.4	92.6	94.2	95.2	95.2	95.7	95.7	95.9	96.2
GE 200	53.0	62.3	70.4	78.2	86.2	88.2	90.6	92.7	92.9	94.9	96.1	96.1	96.6	96.6	97.0	97.6
GE 100	53.0	62.3	70.4	78.2	86.2	88.2	90.6	92.7	92.9	95.0	96.3	96.3	97.0	97.0	97.7	98.7
GE 000	53.0	62.3	70.4	78.2	86.2	88.2	90.6	92.7	92.9	95.0	96.3	96.3	97.0	97.0	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.0	37.7	41.1	43.8	46.9	47.8	49.0	50.2	50.3	51.3	52.9	52.9	53.2	53.2	53.6	54.1
GE 20000	34.6	40.8	44.6	47.8	51.7	53.0	54.2	55.6	55.7	56.7	58.3	58.3	58.9	58.9	59.2	59.8
GE 18000	34.6	40.8	44.6	47.8	51.7	53.0	54.2	55.6	55.7	56.7	58.3	58.3	58.9	58.9	59.2	59.8
GE 16000	34.6	40.8	44.6	47.8	51.7	53.0	54.2	55.6	55.7	56.7	58.3	58.3	58.9	58.9	59.2	59.8
GE 14000	35.0	41.2	45.0	48.2	52.1	53.4	54.7	56.0	56.1	57.1	58.8	58.8	59.3	59.3	59.7	60.2
GE 12000	35.6	41.8	45.7	48.9	52.8	54.1	55.3	56.7	56.8	57.8	59.4	59.4	60.0	60.0	60.3	60.9
GE 10000	37.7	44.3	48.3	51.7	55.9	57.4	58.8	60.1	50.2	61.2	62.9	62.9	63.4	63.4	63.8	64.3
GE 9000	37.8	44.4	48.4	51.8	56.0	57.6	58.9	60.2	60.3	61.3	63.0	63.0	63.6	63.6	63.9	64.4
GE 8000	38.9	46.1	50.3	54.0	58.8	61.0	62.4	64.0	64.2	65.6	67.4	67.4	68.0	68.0	68.3	68.9
GE 7000	39.6	46.8	51.1	54.9	59.7	61.9	63.3	64.9	65.1	66.6	68.4	68.4	69.0	69.0	69.3	69.9
GE 6000	39.6	46.8	51.2	55.2	60.0	62.2	63.7	65.2	65.4	66.9	68.8	68.8	69.3	69.3	69.7	70.2
GE 5000	40.3	47.8	52.2	56.2	61.1	63.3	65.1	66.7	66.9	68.3	70.2	70.2	70.8	70.8	71.1	71.7
GE 4500	41.3	48.8	53.3	57.4	62.4	64.7	66.4	68.0	68.2	69.7	71.7	71.7	72.2	72.2	72.6	73.1
GE 4000	42.8	50.3	54.9	59.3	64.8	67.3	69.2	70.8	71.0	72.4	74.4	74.4	75.0	75.0	75.3	75.9
GE 3500	43.3	51.3	55.9	60.4	66.0	68.7	70.6	72.1	72.3	73.8	75.8	75.8	76.3	76.3	76.7	77.2
GE 3000	44.6	52.7	57.2	62.0	68.1	70.8	72.7	74.2	74.4	76.0	78.0	78.0	78.6	78.6	78.9	79.4
GE 2500	45.4	53.7	58.6	63.7	70.0	73.0	74.9	76.6	76.8	78.6	80.6	80.6	81.1	81.1	81.4	82.0
GE 2000	46.1	54.8	59.8	64.9	71.4	74.4	76.4	78.2	78.6	80.3	82.4	82.4	83.0	83.0	83.3	83.9
GE 1800	46.4	55.1	60.1	65.2	71.8	74.8	76.8	78.6	78.9	80.7	82.8	82.8	83.3	83.3	83.7	84.2
GE 1500	47.0	55.8	60.8	66.0	72.6	75.6	77.6	79.3	79.7	81.4	83.6	83.6	84.1	84.1	84.4	85.0
GE 1200	47.3	56.3	61.3	66.7	73.2	76.2	78.2	80.0	80.3	82.1	84.3	84.3	85.1	85.1	85.4	86.0
GE 1000	47.3	56.6	61.7	67.0	73.6	76.6	78.8	80.7	81.0	82.8	85.0	85.0	85.8	85.8	86.1	86.7
GE 900	47.3	56.6	61.8	67.3	74.1	77.1	79.6	81.6	81.9	83.7	85.9	85.9	86.7	86.7	87.0	87.6
GE 800	47.7	56.9	62.6	68.1	75.1	78.2	80.7	82.8	83.1	85.2	87.4	87.4	88.2	88.2	88.6	89.1
GE 700	47.8	57.0	62.7	68.3	76.0	79.8	82.4	84.6	84.9	87.1	89.3	89.3	90.1	90.1	90.4	91.0
GE 600	47.8	57.1	62.9	68.8	76.7	80.6	83.4	85.7	86.0	88.2	90.4	90.4	91.2	91.2	91.6	92.1
GE 500	47.8	57.1	62.9	69.0	77.2	81.2	84.4	87.0	87.3	89.9	92.3	92.3	93.1	93.1	93.4	94.1
GE 400	47.8	57.1	62.9	69.1	77.6	81.7	85.0	87.8	88.2	91.3	93.8	93.8	94.6	94.6	95.0	95.8
GE 300	47.8	57.1	62.9	69.1	77.6	81.8	85.2	88.2	88.7	91.9	94.4	94.4	95.3	95.3	95.9	96.9
GE 200	47.8	57.1	62.9	69.1	77.6	81.8	85.3	88.3	88.8	92.1	95.2	95.2	96.2	96.2	97.0	98.0
GE 100	47.8	57.1	62.9	69.1	77.6	81.8	85.3	88.3	88.8	92.1	95.2	95.2	96.3	96.4	97.6	99.0
GE 000	47.8	57.1	62.9	69.1	77.6	81.8	85.3	88.3	88.8	92.1	95.2	95.2	96.3	96.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.8	42.8	46.6	49.0	50.3	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 20000	42.7	49.9	53.9	56.4	57.9	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 18000	42.8	50.0	54.0	56.6	58.0	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 16000	42.8	50.0	54.0	56.6	58.0	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 14000	43.7	51.0	55.0	57.6	59.0	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 12000	44.7	52.0	56.1	58.7	60.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 10000	45.8	53.8	58.2	60.9	62.3	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 9000	45.8	53.8	58.2	60.9	62.3	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8000	48.7	57.8	62.3	66.1	68.2	69.2	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 7000	49.4	58.6	63.1	66.9	69.0	70.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 6000	49.7	58.8	63.3	67.1	69.2	70.2	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 5000	50.8	60.1	64.7	68.4	70.6	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4500	51.6	60.9	65.6	69.4	71.6	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4000	53.4	63.2	68.2	72.3	74.6	75.6	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3500	54.7	64.9	69.9	74.1	76.7	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 3000	56.7	67.8	73.0	77.8	80.7	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	57.6	68.9	74.3	79.6	82.6	83.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	58.6	70.1	75.6	80.8	84.0	85.6	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	58.9	70.6	76.0	81.2	84.4	86.0	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1500	59.8	71.9	77.3	82.9	86.3	87.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1200	60.3	72.9	78.3	84.3	87.8	89.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	60.8	74.0	80.1	86.3	90.0	91.6	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 900	60.9	74.1	80.3	86.7	90.7	92.3	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	61.2	74.4	80.8	87.3	91.4	93.3	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 700	61.2	74.4	80.8	87.7	92.2	94.3	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	61.4	74.8	81.1	88.0	92.6	95.0	97.6	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	61.4	74.8	81.1	88.2	93.1	95.7	98.3	98.4	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	61.4	74.8	81.1	88.2	93.1	95.7	98.3	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	61.4	74.8	81.1	88.2	93.1	95.7	98.4	98.9	99.0	99.4	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	61.4	74.8	81.1	88.2	93.1	95.7	98.4	98.9	99.0	99.4	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	61.4	74.8	81.1	88.2	93.1	95.7	98.4	98.9	99.0	99.4	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	61.4	74.8	81.1	88.2	93.1	95.7	98.4	98.9	99.0	99.4	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.0	40.2	43.9	46.3	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 20000	41.7	49.9	53.7	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 18000	41.7	49.9	53.7	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 16000	41.7	49.9	53.7	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 14000	42.2	50.4	54.2	56.9	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 12000	43.2	51.9	55.7	58.3	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	45.2	54.4	58.6	61.2	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 9000	45.3	54.6	58.7	61.3	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 8000	48.1	57.7	62.4	65.7	66.2	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 7000	48.7	58.2	63.0	66.3	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 6000	49.4	59.0	63.8	67.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 5000	51.2	61.2	66.1	69.4	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4500	51.6	61.7	66.7	70.0	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4000	53.9	64.3	69.3	73.3	74.3	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3500	56.3	67.7	72.8	77.3	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3000	61.3	74.6	80.1	84.9	86.4	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	62.6	76.1	81.9	87.1	88.7	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2000	64.1	77.7	83.7	88.9	90.6	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1800	64.3	77.9	83.9	89.1	90.8	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1500	65.6	79.6	85.8	91.1	93.1	93.7	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	66.4	80.4	86.8	92.2	94.6	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	66.7	80.7	87.0	92.7	95.0	95.7	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	66.8	80.8	87.2	93.0	95.4	96.1	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	66.8	80.9	87.4	93.2	96.0	96.8	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	66.9	81.0	87.7	93.6	96.6	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	66.9	81.0	87.7	93.6	96.9	97.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	66.9	81.0	87.7	93.8	97.3	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	66.9	81.0	87.7	93.8	97.3	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	66.9	81.0	87.7	93.8	97.3	98.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	66.9	81.0	87.7	93.8	97.3	98.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	66.9	81.0	87.7	93.8	97.3	98.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	66.9	81.0	87.7	93.8	97.3	98.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.7	42.1	46.7	48.6	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	44.9	52.2	56.8	59.3	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	45.0	52.3	56.9	59.4	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	45.0	52.3	56.9	59.4	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	45.4	52.8	57.3	59.9	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 12000	45.9	53.7	58.2	60.8	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 10000	49.8	58.3	63.4	66.0	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 9000	49.8	58.4	63.6	66.1	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	54.2	63.8	69.3	72.0	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 7000	55.1	64.7	70.2	73.0	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 6000	55.9	65.4	71.0	73.8	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	57.2	66.9	72.4	75.2	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	57.3	67.1	72.7	75.4	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4000	59.8	70.0	75.9	79.0	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3500	62.3	72.8	79.0	82.3	83.6	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3000	64.4	76.3	82.8	86.4	87.8	87.8	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	66.1	78.3	85.0	88.7	90.0	90.0	90.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	67.4	80.6	87.3	91.0	92.3	92.3	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1800	67.4	80.6	87.4	91.1	92.4	92.4	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	67.8	81.7	88.9	92.8	94.2	94.2	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	68.2	82.3	89.8	93.8	95.3	95.4	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	68.2	82.6	90.0	94.1	95.8	95.9	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	68.2	82.9	90.3	94.4	96.3	96.4	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	68.3	83.0	90.6	94.7	96.7	96.8	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	68.4	83.2	91.1	95.2	97.2	97.3	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	68.6	83.3	91.3	95.4	97.7	97.8	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	68.7	83.4	91.6	95.8	98.1	98.2	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	68.7	83.4	91.6	95.9	98.2	98.4	98.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	68.7	83.4	91.6	96.0	98.3	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	68.7	83.4	91.6	96.0	98.3	98.6	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	68.7	83.4	91.6	96.0	98.3	98.6	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	68.7	83.4	91.6	96.0	98.3	98.6	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.8	47.2	51.7	53.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	47.3	53.8	58.7	60.9	62.3	62.3	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 18000	47.3	53.8	58.7	60.9	62.3	62.3	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 16000	47.3	53.9	58.8	61.0	62.4	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 14000	47.4	54.0	58.9	61.1	62.6	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 12000	48.3	55.3	60.2	62.4	63.9	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 10000	52.4	60.7	66.0	68.2	69.7	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 9000	52.4	60.8	66.1	68.3	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 8000	56.4	65.3	71.1	73.3	74.8	74.8	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 7000	57.0	65.9	71.9	74.1	75.6	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000	57.7	66.6	72.6	74.8	76.2	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 5000	58.9	67.8	73.9	76.1	77.6	77.6	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4500	59.4	68.3	74.8	77.0	78.4	78.4	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 4000	63.2	72.9	79.8	82.0	83.4	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	64.6	74.3	81.6	83.8	85.6	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	66.0	76.8	84.2	86.6	88.7	88.7	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4
GE 2500	67.3	78.7	86.1	88.4	90.6	90.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 2000	68.0	79.4	86.9	89.2	91.6	91.6	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7
GE 1800	68.3	79.8	87.2	89.6	91.9	91.9	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
GE 1500	68.4	80.0	87.6	89.9	92.4	92.4	93.2	93.4	93.6	93.7	93.8	93.8	93.8	93.8	93.9	93.9
GE 1200	68.6	80.1	88.2	90.8	93.6	93.7	94.8	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.4	95.4
GE 1000	68.7	80.2	88.3	91.0	94.0	94.1	95.2	95.4	95.6	95.8	95.9	95.9	95.9	95.9	96.0	96.0
GE 900	68.7	80.4	88.7	91.4	94.6	94.7	95.8	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.6	96.6
GE 800	68.7	80.6	88.8	91.6	94.7	94.8	95.9	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.7	96.7
GE 700	68.8	80.8	89.2	92.1	95.3	95.4	96.6	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.3	97.3
GE 600	68.8	80.8	89.2	92.1	95.3	95.5	96.8	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.6	97.6
GE 500	68.9	80.9	89.3	92.3	95.6	96.0	97.4	97.7	97.8	98.1	98.2	98.2	98.3	98.3	98.4	98.4
GE 400	69.0	81.0	89.4	92.6	96.0	96.7	98.3	98.6	98.7	99.1	99.3	99.3	99.4	99.4	99.6	99.6
GE 300	69.0	81.0	89.4	92.6	96.0	96.8	98.6	98.8	98.9	99.3	99.6	99.6	99.7	99.7	99.8	99.8
GE 200	69.0	81.0	89.4	92.6	96.0	96.8	98.6	98.8	98.9	99.3	99.6	99.6	99.8	99.8	100.0	100.0
GE 100	69.0	81.0	89.4	92.6	96.0	96.8	98.6	98.8	98.9	99.3	99.6	99.6	99.8	99.8	100.0	100.0
GE 000	69.0	81.0	89.4	92.6	96.0	96.8	98.6	98.8	98.9	99.3	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.4	48.7	53.7	55.6	56.9	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
GE 20000	46.7	53.8	59.7	62.0	63.9	64.2	64.8	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2
GE 18000	46.9	54.0	59.9	62.2	64.1	64.4	65.0	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 16000	46.9	54.0	59.9	62.2	64.1	64.4	65.0	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 14000	46.9	54.0	59.9	62.2	64.1	64.4	65.0	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 12000	47.1	54.4	60.3	62.7	64.6	64.9	65.4	65.7	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9
GE 10000	49.3	57.8	64.8	67.1	69.2	69.6	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6
GE 9000	49.3	57.8	64.8	67.1	69.2	69.6	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6
GE 8000	52.9	62.0	69.0	71.6	73.7	74.0	74.6	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0
GE 7000	53.2	62.3	69.3	71.9	74.0	74.3	74.9	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3
GE 6000	54.0	63.1	70.1	72.7	74.8	75.1	75.7	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 5000	55.4	64.8	71.8	74.3	76.4	76.9	77.4	77.7	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9
GE 4500	56.1	65.6	72.9	75.4	77.6	78.0	78.6	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
GE 4000	59.1	69.2	77.0	79.8	81.9	82.3	82.9	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3
GE 3500	60.1	70.6	78.6	81.3	83.4	84.0	84.6	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 3000	61.7	72.6	81.0	84.0	86.6	87.2	87.9	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3
GE 2500	62.4	73.4	81.9	84.9	87.6	88.2	88.9	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3
GE 2000	63.2	74.4	83.1	86.1	88.9	89.6	90.2	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7
GE 1800	63.2	74.6	83.2	86.2	89.0	89.7	90.3	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8
GE 1500	63.8	75.2	84.0	87.3	90.2	91.0	91.7	92.0	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1200	63.9	75.4	84.7	88.0	90.9	91.7	92.3	92.7	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 1000	64.3	75.9	85.4	88.8	91.8	92.6	93.2	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 900	64.4	76.0	85.7	89.0	92.0	92.8	93.6	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 800	64.4	76.0	86.0	89.3	92.3	93.1	94.1	94.6	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0
GE 700	64.4	76.0	86.0	89.4	92.4	93.2	94.2	94.7	94.7	94.9	95.0	95.0	95.1	95.1	95.1	95.1
GE 600	64.7	76.2	86.3	89.9	93.0	93.8	94.8	95.2	95.2	95.4	95.6	95.6	95.8	95.8	95.8	95.8
GE 500	65.0	76.6	86.8	90.3	93.6	94.6	95.8	96.6	96.6	97.1	97.3	97.3	97.6	97.6	97.6	97.6
GE 400	65.1	76.7	87.2	90.9	94.2	95.3	96.8	97.6	97.6	98.1	98.3	98.3	98.6	98.6	98.6	98.6
GE 300	65.3	76.9	87.6	91.3	94.7	95.8	97.4	98.2	98.3	98.9	99.1	99.1	99.4	99.4	99.6	99.6
GE 200	65.3	76.9	87.6	91.3	94.7	95.8	97.6	98.3	98.4	99.1	99.6	99.6	99.9	99.9	100.0	100.0
GE 100	65.3	76.9	87.6	91.3	94.7	95.8	97.6	98.3	98.4	99.1	99.6	99.6	99.9	99.9	100.0	100.0
GE 000	65.3	76.9	87.6	91.3	94.7	95.8	97.6	98.3	98.4	99.1	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.8	43.5	47.7	50.2	51.8	52.3	52.8	53.2	53.2	53.5	53.7	53.7	53.8	53.8	53.9	54.0
GE 20000	42.7	49.4	54.0	56.9	58.9	59.5	60.0	60.4	60.5	60.8	61.0	61.0	61.1	61.1	61.2	61.3
GE 18000	42.8	49.4	54.1	57.0	59.0	59.5	60.0	60.5	60.5	60.8	61.1	61.1	61.2	61.2	61.2	61.3
GE 16000	42.8	49.4	54.1	57.0	59.0	59.5	60.0	60.5	60.6	60.8	61.1	61.1	61.2	61.2	61.3	61.3
GE 14000	43.1	49.8	54.4	57.3	59.3	59.8	60.4	60.8	60.9	61.1	61.4	61.4	61.5	61.5	61.6	61.7
GE 12000	43.7	50.5	55.3	58.2	60.2	60.8	61.3	61.7	61.8	62.1	62.3	62.3	62.4	62.4	62.5	62.6
GE 10000	46.0	53.5	58.6	61.6	63.8	64.4	64.9	65.4	65.4	65.7	65.9	65.9	66.1	66.1	66.1	66.2
GE 9000	46.0	53.6	58.7	61.7	63.9	64.5	65.0	65.5	65.5	65.8	66.1	66.1	66.2	66.2	66.2	66.3
GE 8000	49.2	57.3	62.8	66.2	68.5	69.3	69.8	70.4	70.5	70.8	71.1	71.1	71.2	71.2	71.3	71.3
GE 7000	49.7	57.8	63.3	66.8	69.2	69.9	70.5	71.0	71.1	71.4	71.7	71.7	71.8	71.8	71.9	72.0
GE 6000	50.1	58.3	63.8	67.2	69.7	70.4	71.0	71.5	71.6	71.9	72.2	72.2	72.3	72.3	72.4	72.5
GE 5000	51.2	59.5	65.1	68.5	71.0	71.7	72.3	72.9	73.0	73.3	73.6	73.6	73.7	73.7	73.8	73.9
GE 4500	51.9	60.4	66.1	69.6	72.1	72.8	73.5	74.0	74.1	74.4	74.8	74.8	74.9	74.9	74.9	75.0
GE 4000	54.2	63.2	69.2	72.9	75.5	76.3	76.9	77.5	77.6	77.9	78.2	78.2	78.3	78.3	78.4	78.5
GE 3500	55.7	65.0	71.3	75.1	77.8	78.6	79.3	79.9	80.0	80.3	80.7	80.7	80.8	80.8	80.9	81.0
GE 3000	57.7	67.9	74.5	78.7	81.8	82.7	83.4	84.0	84.2	84.5	84.9	84.9	85.0	85.0	85.1	85.2
GE 2500	58.8	69.3	76.0	80.4	83.6	84.6	85.4	86.0	86.1	86.5	86.9	86.9	87.0	87.0	87.1	87.2
GE 2000	59.7	70.6	77.5	81.9	85.3	86.3	87.2	87.8	87.9	88.4	88.7	88.7	88.8	88.8	88.9	89.0
GE 1800	59.9	70.8	77.7	82.1	85.5	86.5	87.4	88.1	88.2	88.6	89.0	89.0	89.1	89.1	89.2	89.3
GE 1500	60.4	71.7	78.7	83.3	86.9	87.9	88.9	89.6	89.7	90.2	90.5	90.5	90.6	90.6	90.7	90.8
GE 1200	60.8	72.2	79.5	84.3	88.0	89.0	90.1	90.8	90.9	91.4	91.8	91.8	91.9	91.9	92.0	92.1
GE 1000	61.0	72.6	80.1	84.9	88.7	89.8	91.0	91.7	91.8	92.3	92.7	92.7	92.8	92.8	92.9	93.0
GE 900	61.2	72.8	80.4	85.3	89.4	90.4	91.7	92.4	92.5	93.0	93.4	93.4	93.5	93.5	93.6	93.7
GE 800	61.3	73.0	80.7	85.8	89.9	91.1	92.5	93.3	93.4	93.9	94.3	94.3	94.5	94.5	94.5	94.6
GE 700	61.3	73.1	80.9	86.1	90.5	91.8	93.3	94.1	94.3	94.8	95.3	95.3	95.4	95.4	95.5	95.6
GE 600	61.4	73.2	81.1	86.3	90.9	92.3	93.8	94.7	94.8	95.4	95.9	95.9	96.0	96.0	96.1	96.2
GE 500	61.5	73.3	81.2	86.6	91.3	92.8	94.6	95.5	95.7	96.4	96.9	96.9	97.1	97.1	97.1	97.3
GE 400	61.5	73.3	81.3	86.9	91.8	93.4	95.2	96.2	96.4	97.2	97.7	97.7	97.9	97.9	98.0	98.1
GE 300	61.6	73.4	81.3	87.0	91.9	93.5	95.4	96.5	96.7	97.6	98.3	98.3	98.5	98.5	98.7	98.8
GE 200	61.6	73.4	81.3	87.0	91.9	93.5	95.5	96.6	96.8	97.9	98.6	98.6	98.9	98.9	99.2	99.3
GE 100	61.6	73.4	81.3	87.0	91.9	93.5	95.5	96.6	96.8	97.9	98.7	98.7	99.0	99.0	99.3	99.6
GE 000	61.6	73.4	81.3	87.0	91.9	93.5	95.5	96.6	96.8	97.9	98.7	98.7	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.5	55.5	58.1	59.1	59.8	60.5	61.0	61.1	61.1	61.2	61.2	61.2	61.5	61.6	61.7	62.0
GE 20000	53.9	58.3	61.2	62.4	63.0	63.8	64.2	64.3	64.3	64.4	64.4	64.4	64.7	64.8	65.1	65.5
GE 18000	53.9	58.3	61.2	62.4	63.0	63.8	64.2	64.3	64.3	64.4	64.4	64.4	64.7	64.8	65.1	65.5
GE 16000	53.9	58.3	61.2	62.4	63.0	63.8	64.2	64.3	64.3	64.4	64.4	64.4	64.7	64.8	65.1	65.5
GE 14000	54.1	58.5	61.4	62.6	63.2	64.0	64.4	64.5	64.5	64.6	64.6	64.6	64.9	65.1	65.3	65.7
GE 12000	54.3	58.7	61.6	62.8	63.4	64.2	64.6	64.7	64.7	64.8	64.8	64.8	65.2	65.3	65.5	65.9
GE 10000	56.6	61.2	64.1	65.3	65.9	66.7	67.1	67.2	67.2	67.3	67.3	67.3	67.6	67.7	68.0	68.4
GE 9000	56.9	61.5	64.4	65.6	66.2	67.0	67.4	67.5	67.5	67.6	67.6	67.6	68.0	68.1	68.3	68.7
GE 8000	60.8	65.5	69.0	70.3	71.1	71.9	72.5	72.6	72.6	72.7	72.7	72.7	73.0	73.1	73.3	73.8
GE 7000	61.8	66.6	70.1	71.4	72.2	73.0	73.5	73.7	73.7	73.8	73.8	73.8	74.1	74.2	74.4	74.8
GE 6000	62.3	67.0	70.5	71.8	72.6	73.4	74.0	74.1	74.1	74.2	74.2	74.2	74.5	74.6	74.8	75.3
GE 5000	63.0	68.0	71.7	73.0	73.9	74.7	75.3	75.4	75.4	75.5	75.5	75.5	75.8	75.9	76.1	76.6
GE 4500	64.4	69.7	73.4	74.7	75.6	76.5	77.0	77.1	77.1	77.2	77.2	77.2	77.5	77.6	77.8	78.3
GE 4000	65.9	71.4	75.2	76.6	77.4	78.3	78.8	78.9	78.9	79.0	79.0	79.0	79.4	79.5	79.7	80.1
GE 3500	67.4	73.0	76.8	78.4	79.2	80.1	80.6	80.8	80.8	80.9	80.9	80.9	81.2	81.3	81.5	81.9
GE 3000	68.9	75.1	79.1	80.9	81.7	82.6	83.2	83.3	83.3	83.4	83.4	83.4	83.8	83.9	84.1	84.5
GE 2500	69.6	75.7	80.3	82.5	83.5	84.4	85.2	85.3	85.3	85.4	85.4	85.4	85.7	85.8	86.0	86.5
GE 2000	70.0	76.2	80.9	83.0	84.2	85.1	85.8	85.9	85.9	86.0	86.0	86.0	86.3	86.5	86.7	87.1
GE 1800	70.1	76.3	81.0	83.1	84.3	85.2	85.9	86.0	86.0	86.1	86.1	86.1	86.5	86.6	86.8	87.2
GE 1500	71.1	77.4	82.3	84.8	86.5	87.3	88.1	88.2	88.2	88.3	88.3	88.3	88.6	88.7	88.9	89.4
GE 1200	71.3	77.7	82.7	85.4	87.1	88.0	88.7	88.8	88.8	88.9	88.9	88.9	89.2	89.4	89.6	90.0
GE 1000	71.3	77.7	82.7	85.6	87.3	88.2	89.1	89.4	89.4	89.5	89.5	89.5	89.8	89.9	90.1	90.5
GE 900	71.3	77.7	83.1	86.0	87.7	88.6	89.6	89.8	89.8	89.9	89.9	89.9	90.2	90.3	90.5	91.0
GE 800	71.3	77.8	83.2	86.5	88.2	89.0	90.0	90.2	90.2	90.3	90.3	90.3	90.6	90.8	91.0	91.4
GE 700	71.4	78.2	83.5	86.8	88.9	89.8	90.8	91.0	91.0	91.1	91.1	91.1	91.4	91.5	91.7	92.2
GE 600	71.4	78.4	83.9	87.5	89.9	90.8	91.7	91.9	91.9	92.0	92.0	92.0	92.4	92.5	92.7	93.1
GE 500	71.6	78.6	84.1	88.0	90.6	91.5	92.5	92.7	92.7	92.8	92.8	92.8	93.1	93.2	93.4	93.9
GE 400	71.6	78.6	84.3	88.3	91.2	92.0	93.0	93.3	93.3	93.4	93.4	93.4	93.8	93.9	94.1	94.5
GE 300	71.6	78.6	84.3	88.3	91.3	92.2	93.1	93.9	93.9	94.0	94.0	94.0	94.6	94.7	94.9	95.5
GE 200	71.6	78.6	84.3	88.3	91.3	92.2	93.1	93.9	93.9	94.2	94.3	94.3	95.7	95.9	96.2	97.0
GE 100	71.6	78.6	84.3	88.6	91.6	92.5	93.4	94.2	94.2	94.5	94.6	94.6	96.1	96.6	97.8	99.4
GE 000	71.6	78.6	84.3	88.6	91.6	92.5	93.4	94.2	94.2	94.5	94.6	94.6	96.1	96.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.5	50.1	53.0	54.9	56.8	57.1	57.7	58.2	58.4	58.8	59.0	59.0	59.4	59.4	59.6	59.7
GE 20000	50.2	52.8	55.8	58.3	60.3	60.6	61.3	61.7	61.9	62.4	62.6	62.6	62.9	62.9	63.1	63.3
GE 18000	50.2	52.8	55.8	58.3	60.3	60.6	61.3	61.7	61.9	62.4	62.6	62.6	62.9	62.9	63.1	63.3
GE 16000	50.2	52.8	55.8	58.3	60.3	60.6	61.3	61.7	61.9	62.4	62.6	62.6	62.9	62.9	63.1	63.3
GE 14000	50.4	53.0	56.0	58.5	60.5	60.9	61.5	61.9	62.2	62.6	62.8	62.8	63.1	63.1	63.3	63.5
GE 12000	50.8	53.3	56.3	58.8	60.9	61.2	61.8	62.3	62.5	62.9	63.1	63.1	63.4	63.4	63.7	63.9
GE 10000	53.5	56.5	59.7	62.2	64.2	64.5	65.2	65.6	65.8	66.2	66.5	66.5	66.8	66.8	67.0	67.2
GE 9000	53.5	56.5	59.7	62.2	64.2	64.5	65.2	65.6	65.8	66.2	66.5	66.5	66.8	66.8	67.0	67.2
GE 8000	55.4	58.6	62.3	64.8	67.0	67.4	68.3	68.7	68.9	69.4	69.6	69.6	69.9	69.9	70.1	70.3
GE 7000	55.9	59.4	63.0	65.6	67.7	68.2	69.0	69.5	69.8	70.2	70.4	70.4	70.8	70.8	71.0	71.2
GE 6000	56.3	59.8	63.4	66.0	68.2	68.6	69.5	69.9	70.2	70.6	70.9	70.9	71.2	71.2	71.5	71.7
GE 5000	57.2	61.1	64.7	67.4	69.7	70.1	71.0	71.4	71.7	72.2	72.4	72.4	72.7	72.7	73.0	73.2
GE 4500	58.7	62.9	66.6	69.2	71.5	72.0	72.9	73.4	73.8	74.2	74.4	74.4	74.7	74.7	75.1	75.3
GE 4000	60.3	65.1	68.9	72.0	74.5	75.1	75.9	76.5	76.8	77.2	77.4	77.4	77.7	77.7	78.1	78.3
GE 3500	61.6	66.5	70.3	73.4	75.9	76.6	77.4	78.0	78.3	78.7	78.9	78.9	79.2	79.2	79.6	79.8
GE 3000	63.0	68.2	72.0	75.2	77.7	78.4	79.4	79.9	80.2	80.8	81.1	81.1	81.4	81.4	81.7	81.9
GE 2500	64.4	70.0	74.0	77.1	79.8	80.6	81.6	82.2	82.5	83.0	83.5	83.5	83.9	83.9	84.2	84.4
GE 2000	65.7	71.4	75.4	78.5	81.4	82.3	83.2	83.8	84.1	84.6	85.2	85.2	85.5	85.5	85.8	86.0
GE 1800	65.9	71.7	75.7	78.8	81.8	82.7	83.7	84.2	84.5	85.1	85.6	85.6	85.9	85.9	86.2	86.5
GE 1500	66.0	71.8	75.8	79.1	82.5	83.4	84.4	84.9	85.3	85.8	86.3	86.3	86.7	86.7	87.0	87.3
GE 1200	66.0	71.8	75.8	79.2	82.8	83.8	84.7	85.3	85.6	86.1	86.7	86.7	87.0	87.0	87.3	87.6
GE 1000	66.2	72.2	76.2	79.7	83.3	84.3	85.5	86.0	86.3	87.1	87.6	87.6	88.0	88.0	88.3	88.6
GE 900	66.5	72.9	77.1	80.5	84.3	85.3	86.5	87.0	87.3	88.1	88.6	88.6	88.9	88.9	89.2	89.6
GE 800	66.6	73.0	77.3	80.8	84.5	85.5	86.7	87.3	87.6	88.4	88.9	88.9	89.2	89.2	89.6	89.9
GE 700	66.7	73.2	77.7	81.5	85.5	86.5	87.6	88.4	88.7	89.5	90.0	90.0	90.3	90.3	90.6	91.0
GE 600	66.7	73.2	77.8	81.6	85.6	86.6	87.8	88.6	88.9	89.7	90.2	90.2	90.5	90.5	90.9	91.2
GE 500	66.8	73.3	78.1	82.0	86.0	87.0	88.4	89.1	89.5	90.3	90.9	90.9	91.2	91.2	91.5	91.8
GE 400	66.8	73.3	78.4	82.5	86.6	87.8	89.5	90.3	90.6	91.5	92.2	92.2	92.5	92.5	92.8	93.1
GE 300	66.8	73.3	78.4	82.7	87.0	88.4	90.1	91.1	91.4	92.7	93.3	93.3	94.0	94.0	94.3	94.6
GE 200	66.8	73.3	78.4	82.7	87.0	88.4	90.3	91.5	91.8	93.4	94.3	94.3	95.3	95.5	96.0	96.5
GE 100	66.8	73.3	78.4	82.8	87.1	88.6	90.8	92.0	92.4	94.1	94.9	94.9	96.1	96.3	97.7	98.6
GE 000	66.8	73.3	78.4	82.8	87.1	88.6	90.8	92.0	92.4	94.1	94.9	94.9	96.1	96.3	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.9	43.8	45.7	47.0	49.1	50.0	50.6	51.1	51.4	51.7	52.2	52.2	52.4	52.5	52.5	52.5
GE 20000	42.2	47.7	50.4	51.9	54.2	55.4	56.2	57.1	57.4	57.7	58.3	58.4	58.8	58.9	59.0	59.0
GE 18000	42.2	47.7	50.4	51.9	54.2	55.4	56.2	57.1	57.4	57.7	58.3	58.4	58.8	58.9	59.0	59.0
GE 16000	42.2	47.7	50.4	51.9	54.2	55.4	56.2	57.1	57.4	57.7	58.3	58.4	58.8	58.9	59.0	59.0
GE 14000	42.2	47.7	50.4	51.9	54.2	55.4	56.2	57.1	57.4	57.7	58.3	58.4	58.8	58.9	59.0	59.0
GE 12000	42.4	48.0	50.9	52.4	54.6	55.8	56.7	57.5	57.8	58.2	58.7	58.8	59.2	59.4	59.5	59.5
GE 10000	44.6	50.3	53.4	54.9	57.5	58.7	59.7	60.5	60.9	61.3	61.9	62.0	62.6	62.8	62.9	63.1
GE 9000	44.6	50.3	53.4	54.9	57.5	58.7	59.7	60.5	60.9	61.3	61.9	62.0	62.6	62.8	62.9	63.1
GE 8000	48.7	55.2	59.0	60.8	63.5	64.7	65.8	66.8	67.2	67.6	68.4	68.5	69.0	69.2	69.4	69.6
GE 7000	49.1	55.9	59.9	61.7	64.8	66.2	67.3	68.3	68.7	69.1	69.9	70.0	70.5	70.8	70.9	71.1
GE 6000	49.2	56.0	60.0	61.8	64.9	66.3	67.4	68.5	68.9	69.4	70.1	70.2	70.8	71.0	71.1	71.3
GE 5000	49.7	56.6	60.6	62.5	65.6	67.0	68.1	69.2	69.7	70.1	70.9	71.0	71.5	71.7	71.8	72.0
GE 4500	50.9	58.4	62.9	64.8	68.0	69.4	70.4	71.7	72.2	72.6	73.3	73.4	74.0	74.2	74.3	74.5
GE 4000	52.3	59.8	64.4	66.3	69.5	71.0	72.3	73.7	74.1	74.5	75.6	75.7	76.2	76.5	76.6	76.8
GE 3500	53.9	61.4	66.7	68.9	72.2	73.9	75.2	76.6	77.0	77.4	78.5	78.6	79.1	79.4	79.5	79.7
GE 3000	55.6	63.4	68.8	71.1	74.5	76.3	77.7	79.1	79.6	80.1	81.2	81.3	81.8	82.0	82.2	82.5
GE 2500	57.2	65.4	70.9	73.2	76.7	78.5	79.9	81.3	81.7	82.3	83.3	83.4	84.0	84.2	84.4	84.7
GE 2000	57.8	66.2	71.8	74.2	77.8	79.7	81.2	82.6	83.0	83.7	84.7	84.8	85.4	85.6	85.8	86.1
GE 1800	58.3	66.7	72.3	74.6	78.3	80.1	81.6	83.0	83.4	84.1	85.2	85.3	85.8	86.0	86.2	86.6
GE 1500	58.4	67.0	72.8	75.3	78.9	80.9	82.5	83.9	84.3	85.1	86.1	86.2	86.8	87.0	87.2	87.5
GE 1200	58.5	67.1	73.0	75.5	79.4	81.5	83.1	84.5	84.9	85.7	86.8	86.9	87.4	87.6	87.8	88.2
GE 1000	58.7	67.4	73.3	75.9	79.8	81.9	83.8	85.4	85.8	86.7	87.8	88.0	88.5	88.7	88.9	89.2
GE 900	58.8	67.7	73.7	76.5	80.3	82.7	84.5	86.1	86.6	87.4	88.6	88.7	89.2	89.5	89.7	90.0
GE 800	59.2	68.2	74.1	76.9	80.9	83.3	85.3	87.0	87.4	88.3	89.7	89.8	90.3	90.5	90.8	91.1
GE 700	59.2	68.2	74.3	77.3	81.4	83.9	85.8	87.6	88.1	88.9	90.3	90.4	91.0	91.2	91.4	91.7
GE 600	59.2	68.2	74.3	77.4	81.7	84.2	86.1	88.1	88.5	89.7	91.1	91.2	91.7	91.9	92.2	92.5
GE 500	59.2	68.5	74.7	77.8	82.2	84.7	86.9	89.0	89.7	91.0	92.4	92.5	93.0	93.2	93.4	93.8
GE 400	59.2	68.6	74.8	78.1	82.4	84.9	87.2	89.9	90.6	92.3	93.7	93.8	94.4	94.7	94.9	95.4
GE 300	59.2	68.6	74.8	78.1	82.4	85.2	87.4	90.1	90.9	92.7	94.2	94.3	94.9	95.4	95.8	96.3
GE 200	59.2	68.6	74.8	78.1	82.4	85.3	87.5	90.3	91.1	93.2	94.9	95.1	96.2	96.9	97.3	98.0
GE 100	59.2	68.6	74.8	78.1	82.4	85.3	87.5	90.3	91.1	93.3	95.1	95.3	96.7	97.3	98.1	99.6
GE 000	59.2	68.6	74.8	78.1	82.4	85.3	87.5	90.3	91.1	93.3	95.1	95.3	96.7	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.2	47.0	48.9	50.0	50.4	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 20000	47.4	53.5	55.9	57.3	58.2	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	47.6	53.8	56.1	57.5	58.4	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 16000	47.6	53.8	56.1	57.5	58.4	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 14000	47.6	53.8	56.1	57.6	58.6	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 12000	47.8	54.0	56.3	57.8	58.8	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 10000	50.0	56.5	58.9	60.4	61.5	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	50.2	56.7	59.1	60.6	61.7	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 8000	55.6	62.6	65.6	67.3	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 7000	56.6	63.5	66.7	68.7	70.1	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	57.2	64.2	67.3	69.4	70.8	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 5000	58.6	65.6	68.7	70.8	72.2	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4500	60.1	67.1	70.3	72.5	73.9	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	62.6	69.6	72.9	75.2	76.6	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3500	64.9	72.0	75.5	77.8	79.4	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	68.7	75.9	79.4	82.3	83.9	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	69.0	76.5	80.1	83.2	84.9	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2000	70.3	78.0	81.7	85.2	86.9	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	70.3	78.0	81.7	85.2	86.9	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	70.8	78.7	82.5	86.0	88.1	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1200	71.6	79.6	83.4	87.2	89.4	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	71.8	79.8	83.7	87.6	89.9	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 900	71.9	80.0	84.1	88.2	90.5	91.5	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 800	72.0	80.1	84.6	88.7	91.3	92.4	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 700	72.5	80.6	85.3	89.4	92.5	93.7	94.1	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 600	72.5	80.6	85.3	89.6	92.9	94.1	94.5	95.1	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 500	72.8	81.2	85.8	90.2	93.7	94.9	95.7	96.3	96.7	97.3	97.3	97.3	97.6	97.6	97.6	97.6
GE 400	72.8	81.2	85.8	90.2	93.8	95.3	96.1	96.8	97.1	97.8	97.8	97.8	98.2	98.2	98.2	98.2
GE 300	72.8	81.2	85.8	90.2	93.9	95.4	96.5	97.1	97.4	98.3	98.4	98.4	98.7	98.7	98.8	98.8
GE 200	72.8	81.2	85.8	90.2	93.9	95.4	96.5	97.2	97.6	98.6	99.1	99.1	99.5	99.6	99.8	99.9
GE 100	72.8	81.2	85.8	90.2	93.9	95.4	96.5	97.2	97.6	98.6	99.1	99.1	99.5	99.7	99.9	100.0
GE 000	72.8	81.2	85.8	90.2	93.9	95.4	96.5	97.2	97.6	98.6	99.1	99.1	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.3	44.3	45.6	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	49.2	53.0	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 18000	49.4	53.1	55.2	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	49.4	53.1	55.2	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	49.4	53.1	55.2	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	49.9	53.7	55.8	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 10000	52.6	56.3	58.5	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	52.6	56.3	58.6	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	57.6	61.7	64.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 7000	58.6	62.9	65.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 6000	59.0	63.3	66.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	60.1	64.6	67.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4500	62.2	66.8	69.5	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 4000	66.1	71.4	74.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	70.2	76.0	78.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3000	75.5	82.2	85.4	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	77.4	84.1	87.3	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2000	78.5	85.4	88.7	90.4	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1800	78.5	85.4	88.7	90.4	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	78.7	86.0	89.6	91.3	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1200	79.6	87.0	90.5	92.4	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	79.6	87.1	90.6	92.6	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	79.6	87.1	90.6	92.7	93.7	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	79.6	87.1	90.9	93.2	94.4	94.9	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 700	79.6	87.1	91.0	93.3	94.9	95.6	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	79.6	87.1	91.0	93.3	95.3	95.9	96.6	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	80.0	87.6	91.6	94.1	96.3	97.1	97.7	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	80.0	87.6	91.6	94.1	96.5	97.2	97.8	98.1	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	80.0	87.6	91.6	94.1	96.5	97.2	98.0	98.3	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7
GE 200	80.0	87.6	91.6	94.1	96.5	97.2	98.0	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	80.0	87.6	91.6	94.1	96.5	97.2	98.0	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	80.0	87.6	91.6	94.1	96.5	97.2	98.0	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.3	50.3	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 20000	54.7	59.1	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 18000	54.7	59.1	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 16000	54.7	59.1	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	55.4	59.8	60.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 12000	56.2	60.9	62.0	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	58.5	63.1	64.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 9000	58.6	63.2	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	62.9	68.0	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	63.9	68.9	71.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000	64.3	69.4	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 5000	66.2	71.5	73.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4500	67.6	73.3	75.5	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4000	70.9	77.6	79.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	74.1	81.3	83.4	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 3000	77.0	84.7	86.9	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	78.6	86.3	88.9	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	79.0	86.8	89.4	90.6	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1800	79.0	86.9	89.5	90.8	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500	79.0	87.1	89.7	91.0	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1200	79.8	87.8	90.6	91.9	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	79.8	87.8	90.8	92.2	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	79.9	88.0	91.0	92.4	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	80.0	88.1	91.1	92.7	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	80.3	88.6	91.8	93.7	94.8	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	80.3	88.6	92.2	94.1	95.5	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 500	80.6	89.2	93.0	95.1	96.8	97.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	80.6	89.2	93.0	95.1	96.9	97.7	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	80.6	89.2	93.0	95.1	97.0	97.8	98.4	98.7	98.7	98.9	99.1	99.1	99.5	99.5	99.5	99.5
GE 200	80.6	89.2	93.0	95.1	97.0	97.8	98.4	98.7	98.7	98.9	99.2	99.2	99.7	99.7	99.8	99.8
GE 100	80.6	89.2	93.0	95.1	97.0	97.8	98.4	98.7	98.7	99.0	99.4	99.4	99.8	99.8	100.0	100.0
GE 000	80.6	89.2	93.0	95.1	97.0	97.8	98.4	98.7	98.7	99.0	99.4	99.4	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.2	56.1	57.2	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 20000	58.7	62.0	63.8	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 18000	58.7	62.0	63.8	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 16000	58.7	62.0	63.8	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 14000	59.0	62.4	64.1	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	60.1	63.9	65.8	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 10000	62.3	66.2	68.2	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 9000	62.4	66.3	68.3	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 8000	67.1	71.6	74.3	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 7000	68.3	72.8	75.5	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 6000	68.6	73.1	75.8	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 5000	69.5	74.5	77.2	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4500	71.0	76.3	79.0	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000	73.0	78.4	81.2	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3500	75.6	81.2	84.2	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	76.6	82.6	85.7	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	77.2	83.2	86.5	87.3	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000	77.7	84.0	87.2	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	78.1	84.3	87.5	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	78.4	84.7	88.5	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1200	78.7	85.1	89.0	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1000	78.7	85.3	89.5	90.6	91.7	92.0	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 900	78.9	85.6	89.8	91.0	92.2	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 800	79.1	85.9	90.1	91.4	92.8	93.3	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	79.1	86.1	90.4	91.7	93.2	93.9	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 600	79.2	86.2	90.5	92.2	93.9	94.5	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 500	79.5	86.5	90.9	92.5	94.4	95.1	95.6	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 400	79.5	86.5	90.9	92.6	94.5	95.2	96.1	96.5	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 300	79.5	86.5	90.9	92.7	94.6	95.3	96.5	96.8	96.9	97.2	97.8	98.0	98.2	98.2	98.2	98.2
GE 200	79.5	86.5	90.9	92.7	94.6	95.3	96.6	96.9	97.1	97.5	98.2	98.4	98.9	98.9	99.0	99.0
GE 100	79.5	86.5	90.9	92.7	94.6	95.3	96.6	96.9	97.1	97.6	98.3	98.7	99.4	99.4	99.6	100.0
GE 000	79.5	86.5	90.9	92.7	94.6	95.3	96.6	96.9	97.1	97.6	98.3	98.7	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.3	57.1	58.9	59.8	60.9	60.9	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	58.3	61.6	63.8	64.7	66.0	66.0	66.1	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
GE 18000	58.3	61.6	63.8	64.7	66.0	66.0	66.1	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
GE 16000	58.3	61.6	63.8	64.7	66.0	66.0	66.1	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
GE 14000	58.3	61.6	63.8	64.7	66.0	66.0	66.1	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
GE 12000	58.8	62.2	64.3	65.3	66.6	66.6	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
GE 10000	60.9	64.2	66.3	67.4	68.7	68.7	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
GE 9000	61.1	64.4	66.6	67.6	68.9	68.9	69.0	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4
GE 8000	65.6	69.0	71.8	73.2	74.5	74.5	74.6	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
GE 7000	66.7	70.1	72.9	74.3	75.6	75.6	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
GE 6000	67.0	70.4	73.3	74.7	76.0	76.0	76.1	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5
GE 5000	67.8	71.4	74.4	75.8	77.1	77.1	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5
GE 4500	69.4	73.0	76.1	77.5	78.8	78.8	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
GE 4000	71.5	75.4	78.5	79.9	81.2	81.2	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 3500	72.9	77.0	80.5	82.0	83.4	83.4	83.7	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
GE 3000	75.1	79.2	82.8	84.5	86.0	86.1	86.3	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 2500	75.8	80.0	83.5	85.5	87.1	87.2	87.4	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 2000	76.3	80.5	84.2	86.1	87.8	88.0	88.2	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6
GE 1800	76.5	80.6	84.4	86.3	88.1	88.2	88.4	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8
GE 1500	77.1	81.3	85.2	87.4	89.5	89.6	89.8	90.0	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.3
GE 1200	77.2	81.8	85.7	88.3	90.5	90.6	90.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.4
GE 1000	77.3	82.0	86.0	88.6	90.9	91.0	91.2	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.7
GE 900	77.3	82.0	86.1	88.7	91.0	91.1	91.3	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.8
GE 800	77.4	82.2	86.3	89.0	91.4	91.5	91.7	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.4
GE 700	77.5	82.5	87.0	89.8	92.4	92.5	92.7	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.3
GE 600	77.5	82.5	87.0	90.3	93.2	93.3	93.5	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.2
GE 500	77.5	82.6	87.4	90.9	93.9	94.0	94.2	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.8
GE 400	77.5	82.7	87.5	91.1	94.2	94.3	94.8	95.3	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.8
GE 300	77.5	82.7	87.6	91.2	94.5	94.6	95.2	95.9	95.9	96.1	96.5	96.6	96.7	96.7	96.7	96.8
GE 200	77.5	82.7	87.7	91.3	94.6	94.7	95.4	96.2	96.3	96.6	97.0	97.2	98.0	98.1	98.1	98.2
GE 100	77.5	82.7	87.7	91.3	94.6	94.7	95.4	96.2	96.3	96.7	97.1	97.4	98.5	99.0	99.2	99.9
GE 000	77.5	82.7	87.7	91.3	94.6	94.7	95.4	96.2	96.3	96.7	97.1	97.4	98.5	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	50.5	52.3	53.3	54.1	54.4	54.6	54.7	54.8	54.9	55.0	55.0	55.1	55.1	55.2	55.2
GE 20000	51.8	56.0	58.3	59.4	60.4	60.8	61.0	61.2	61.3	61.4	61.5	61.5	61.7	61.7	61.8	61.8
GE 18000	51.9	56.1	58.3	59.5	60.5	60.8	61.1	61.3	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.9
GE 16000	51.9	56.1	58.3	59.5	60.5	60.8	61.1	61.3	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.9
GE 14000	52.0	56.2	58.5	59.7	60.7	61.0	61.3	61.5	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.1
GE 12000	52.5	56.8	59.1	60.4	61.4	61.7	62.0	62.2	62.2	62.4	62.5	62.5	62.6	62.6	62.7	62.8
GE 10000	54.9	59.3	61.7	63.0	64.0	64.4	64.7	64.9	64.9	65.1	65.2	65.2	65.3	65.4	65.4	65.6
GE 9000	55.0	59.4	61.9	63.1	64.2	64.5	64.8	65.0	65.1	65.2	65.3	65.3	65.5	65.5	65.6	65.7
GE 8000	59.2	64.0	67.1	68.5	69.6	70.0	70.3	70.6	70.6	70.8	70.9	70.9	71.0	71.1	71.2	71.3
GE 7000	60.1	65.0	68.1	69.6	70.7	71.1	71.5	71.7	71.8	71.9	72.0	72.1	72.2	72.2	72.3	72.4
GE 6000	60.5	65.4	68.5	70.0	71.1	71.5	71.9	72.1	72.2	72.3	72.5	72.5	72.6	72.7	72.7	72.8
GE 5000	62.3	66.7	69.8	71.3	72.5	72.9	73.2	73.5	73.6	73.7	73.8	73.8	74.0	74.0	74.1	74.2
GE 4500	63.0	68.4	71.7	73.2	74.4	74.8	75.1	75.4	75.5	75.6	75.8	75.8	75.9	76.0	76.0	76.1
GE 4000	65.3	71.1	74.4	76.0	77.2	77.6	78.0	78.3	78.4	78.5	78.7	78.7	78.8	78.9	79.0	79.1
GE 3500	67.6	73.5	77.0	78.8	80.0	80.5	80.9	81.2	81.3	81.4	81.6	81.6	81.8	81.8	81.9	82.0
GE 3000	70.0	76.4	80.0	81.9	83.3	83.8	84.2	84.5	84.6	84.8	85.0	85.0	85.1	85.2	85.3	85.4
GE 2500	71.2	77.6	81.4	83.5	84.9	85.5	86.0	86.3	86.4	86.5	86.7	86.7	86.9	86.9	87.0	87.2
GE 2000	71.9	78.6	82.4	84.5	86.0	86.6	87.1	87.4	87.5	87.7	87.9	87.9	88.1	88.1	88.2	88.3
GE 1800	72.1	78.7	82.6	84.7	86.3	86.8	87.3	87.6	87.7	87.9	88.1	88.1	88.3	88.3	88.4	88.5
GE 1500	72.4	79.3	83.3	85.6	87.4	88.0	88.5	88.8	88.9	89.1	89.3	89.3	89.5	89.5	89.6	89.7
GE 1200	72.8	79.7	83.9	86.3	88.2	88.9	89.4	89.7	89.8	90.0	90.2	90.2	90.4	90.4	90.5	90.7
GE 1000	72.9	79.9	84.1	86.6	88.6	89.3	89.9	90.3	90.4	90.6	90.8	90.9	91.0	91.0	91.1	91.3
GE 900	73.0	80.1	84.4	87.0	89.1	89.9	90.5	90.9	91.0	91.2	91.4	91.4	91.6	91.6	91.7	91.9
GE 800	73.2	80.3	84.7	87.4	89.7	90.6	91.3	91.7	91.8	92.0	92.3	92.3	92.4	92.5	92.6	92.7
GE 700	73.3	80.6	85.1	87.9	90.5	91.4	92.1	92.6	92.7	92.9	93.2	93.2	93.4	93.4	93.5	93.7
GE 600	73.3	80.6	85.2	88.3	91.0	91.9	92.7	93.2	93.3	93.7	93.9	93.9	94.1	94.1	94.2	94.4
GE 500	73.5	80.9	85.7	88.8	91.7	92.7	93.6	94.2	94.4	94.8	95.1	95.1	95.3	95.3	95.4	95.6
GE 400	73.5	81.0	85.8	89.0	92.0	93.1	94.1	94.8	95.0	95.5	95.9	95.9	96.1	96.1	96.2	96.4
GE 300	73.5	81.0	85.8	89.0	92.1	93.3	94.4	95.2	95.4	96.1	96.6	96.6	97.0	97.1	97.2	97.4
GE 200	73.5	81.0	85.8	89.0	92.2	93.3	94.5	95.4	95.7	96.5	97.1	97.2	97.9	98.1	98.3	98.5
GE 100	73.5	81.0	85.8	89.1	92.2	93.3	94.6	95.5	95.8	96.7	97.3	97.4	98.3	98.5	99.0	99.7
GE 000	73.5	81.0	85.8	89.1	92.2	93.3	94.6	95.5	95.8	96.7	97.3	97.4	98.3	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	51.2	52.3	52.4	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.6	53.6	53.7	53.7
GE 20000	50.6	55.0	56.3	56.4	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.7	57.7	57.8	57.8
GE 18000	50.6	55.0	56.3	56.4	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.7	57.7	57.8	57.8
GE 16000	50.6	55.0	56.3	56.4	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.7	57.7	57.8	57.8
GE 14000	51.0	55.4	56.8	56.9	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.1	58.1	58.2	58.2
GE 12000	51.6	56.0	57.3	57.4	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.7	58.7	58.8	58.8
GE 10000	55.2	60.2	61.6	61.7	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.6	62.9	62.9	63.0	63.0
GE 9000	55.4	60.4	61.8	61.9	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	63.1	63.1	63.2	63.2
GE 8000	59.0	64.0	65.3	65.4	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.7	66.7	66.8	66.8
GE 7000	59.9	64.9	66.3	66.4	67.3	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.9	67.9	68.0	68.0
GE 6000	61.2	66.3	67.8	67.9	68.8	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.3	69.3	69.4	69.4
GE 5000	63.0	68.2	69.7	69.8	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.4	71.4	71.6	71.6
GE 4500	65.1	70.3	71.8	71.9	72.9	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.6	73.6	73.7	73.7
GE 4000	67.1	72.6	74.1	74.2	75.2	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.9	75.9	76.0	76.0
GE 3500	69.1	74.9	76.4	76.7	77.7	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.3	78.3	78.4	78.4
GE 3000	70.9	76.8	78.6	78.8	80.0	80.2	80.3	80.4	80.4	80.6	80.6	80.6	80.9	80.9	81.0	81.0
GE 2500	72.7	78.7	80.4	80.7	82.0	82.3	82.4	82.6	82.6	82.7	82.7	82.7	83.0	83.0	83.1	83.1
GE 2000	72.9	79.0	81.1	81.6	83.3	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.4	84.4	84.6	84.6
GE 1800	73.0	79.1	81.2	81.7	83.4	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.6	84.6	84.7	84.7
GE 1500	74.0	80.1	82.3	82.8	84.7	85.0	85.2	85.4	85.4	85.7	85.7	85.7	86.0	86.0	86.1	86.1
GE 1200	74.6	80.7	83.0	83.4	85.4	85.8	86.1	86.3	86.3	86.6	86.6	86.7	87.0	87.0	87.1	87.1
GE 1000	75.4	81.7	84.2	84.8	86.8	87.2	87.6	87.8	87.8	88.0	88.0	88.1	88.4	88.4	88.6	88.6
GE 900	75.6	81.8	84.3	84.9	86.9	87.3	87.7	87.9	87.9	88.1	88.1	88.2	88.6	88.6	88.7	88.7
GE 800	75.6	81.8	84.3	84.9	87.0	87.4	87.9	88.1	88.1	88.3	88.3	88.4	88.8	88.8	88.9	88.9
GE 700	75.7	81.9	84.6	85.4	87.8	88.3	88.9	89.2	89.3	89.6	89.7	89.8	90.1	90.1	90.2	90.2
GE 600	75.7	82.0	84.9	86.1	88.7	89.2	89.8	90.1	90.2	90.4	90.7	90.8	91.1	91.1	91.2	91.2
GE 500	76.0	82.4	85.7	86.9	89.8	90.4	91.3	91.8	91.9	92.2	92.4	92.6	92.9	92.9	93.0	93.0
GE 400	76.3	82.9	86.3	87.8	90.9	91.8	92.8	93.3	93.4	93.8	94.1	94.2	94.7	94.8	94.9	94.9
GE 300	76.3	83.0	86.8	88.3	91.8	92.7	93.7	94.6	94.7	95.0	95.3	95.4	96.1	96.2	96.3	96.3
GE 200	76.3	83.0	87.0	88.6	92.1	93.2	94.3	95.7	95.9	96.6	96.9	97.0	97.7	97.8	97.9	98.1
GE 100	76.3	83.0	87.1	88.7	92.3	93.4	94.7	96.0	96.2	97.0	97.3	97.4	98.2	98.6	98.7	99.7
GE 000	76.3	83.0	87.1	88.7	92.3	93.4	94.7	96.0	96.2	97.0	97.3	97.4	98.2	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.7	48.1	50.9	52.1	52.4	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.0
GE 20000	48.6	51.4	54.6	55.8	56.2	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.9
GE 18000	48.6	51.4	54.6	55.8	56.2	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.9
GE 16000	48.6	51.4	54.6	55.8	56.2	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.9
GE 14000	48.6	51.6	54.7	55.9	56.3	56.3	56.4	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9	57.0
GE 12000	48.8	51.9	55.0	56.3	57.0	57.0	57.1	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.7
GE 10000	51.8	55.1	58.3	59.7	60.4	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.1
GE 9000	51.9	55.2	58.6	59.9	60.7	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.3
GE 8000	55.1	58.9	62.2	63.6	64.3	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	65.0
GE 7000	56.0	59.8	63.1	64.4	65.3	65.4	65.7	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.2
GE 6000	57.3	61.3	64.7	66.0	66.9	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.8
GE 5000	58.9	63.1	66.4	67.8	68.7	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.6
GE 4500	60.9	65.3	68.9	70.3	71.2	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	72.1
GE 4000	62.4	66.9	70.6	72.1	73.3	73.4	73.7	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.2
GE 3500	64.9	69.4	73.2	74.8	76.0	76.1	76.3	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.9
GE 3000	66.8	71.4	75.6	77.1	78.4	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.4
GE 2500	67.9	72.7	76.9	78.6	80.0	80.2	80.4	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	81.0
GE 2000	68.8	74.0	78.3	80.1	81.6	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.6
GE 1800	68.9	74.1	78.4	80.2	81.9	82.1	82.3	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.9
GE 1500	70.7	75.9	80.3	82.2	84.4	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.6
GE 1200	71.4	76.8	81.4	83.4	86.0	86.2	86.6	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.1
GE 1000	71.9	77.4	82.3	84.3	87.3	87.7	88.0	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.6
GE 900	72.2	77.8	82.9	84.9	87.9	88.3	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.2
GE 800	72.2	78.0	83.2	85.2	88.2	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.8
GE 700	72.2	78.1	83.3	85.6	88.6	89.4	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.4
GE 600	72.3	78.6	83.8	86.1	89.8	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.7
GE 500	72.4	78.9	84.1	87.0	91.0	92.2	92.7	92.9	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.6
GE 400	72.6	79.4	84.7	87.8	92.1	93.4	93.9	94.3	94.3	94.3	94.6	94.6	94.9	94.9	94.9	95.3
GE 300	72.6	79.4	84.8	88.1	92.7	94.4	95.4	96.1	96.1	96.1	96.4	96.4	96.8	96.8	96.8	97.2
GE 200	72.6	79.4	84.9	88.2	92.8	94.7	95.9	96.8	96.8	96.8	97.1	97.1	97.4	97.4	97.6	98.3
GE 100	72.6	79.4	84.9	88.2	93.0	94.9	96.1	97.0	97.0	97.0	97.3	97.3	97.7	97.7	97.8	99.6
GE 000	72.6	79.4	84.9	88.2	93.0	94.9	96.1	97.0	97.0	97.0	97.3	97.3	97.7	97.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.6	43.2	46.3	48.2	49.3	49.3	49.7	49.7	49.7	49.9	50.2	50.2	50.6	50.6	50.8	51.0
GE 20000	42.9	46.8	50.4	52.7	54.7	54.8	55.1	55.1	55.1	55.4	55.8	55.8	56.2	56.2	56.4	56.8
GE 18000	42.9	46.8	50.4	52.7	54.7	54.8	55.1	55.1	55.1	55.4	55.8	55.8	56.2	56.2	56.4	56.8
GE 16000	42.9	46.8	50.4	52.7	54.7	54.8	55.1	55.1	55.1	55.4	55.8	55.8	56.2	56.2	56.4	56.8
GE 14000	43.0	47.0	50.9	53.1	55.1	55.2	55.6	55.6	55.6	55.9	56.2	56.2	56.7	56.7	56.9	57.2
GE 12000	43.4	47.7	51.6	53.8	55.8	55.9	56.2	56.2	56.2	56.6	56.9	56.9	57.3	57.3	57.6	57.9
GE 10000	46.1	50.4	54.6	56.9	59.1	59.2	59.6	59.7	59.7	60.0	60.3	60.3	60.8	60.8	61.0	61.3
GE 9000	46.1	50.4	54.6	56.9	59.1	59.2	59.6	59.7	59.7	60.0	60.3	60.3	60.8	60.8	61.0	61.3
GE 8000	49.2	54.2	58.4	60.8	63.0	63.2	63.6	63.7	63.7	64.0	64.3	64.3	64.8	64.8	65.0	65.3
GE 7000	49.9	55.2	59.6	62.0	64.2	64.4	64.8	64.9	64.9	65.2	65.6	65.6	66.0	66.0	66.2	66.6
GE 6000	50.1	55.4	59.9	62.3	64.6	64.8	65.1	65.2	65.2	65.6	65.9	65.9	66.3	66.3	66.6	66.9
GE 5000	51.6	57.2	61.7	64.1	66.3	66.6	66.9	67.0	67.0	67.3	67.7	67.7	68.2	68.2	68.4	68.8
GE 4500	53.0	58.8	63.3	65.8	68.0	68.2	68.6	68.7	68.7	69.0	69.3	69.3	69.9	69.9	70.1	70.4
GE 4000	55.3	61.3	66.2	68.8	71.1	71.3	71.8	71.9	71.9	72.2	72.6	72.6	73.1	73.1	73.3	73.7
GE 3500	56.4	62.8	68.0	70.8	73.2	73.4	73.9	74.0	74.0	74.3	74.7	74.7	75.2	75.2	75.4	75.8
GE 3000	57.2	64.1	69.4	72.7	75.2	75.4	76.1	76.2	76.2	76.6	76.9	76.9	77.4	77.4	77.7	78.0
GE 2500	58.3	65.3	70.8	74.4	77.1	77.4	78.1	78.2	78.2	78.6	78.9	78.9	79.4	79.4	79.7	80.0
GE 2000	59.4	66.7	72.3	76.3	79.2	79.8	80.6	80.8	80.8	81.1	81.4	81.4	82.0	82.0	82.2	82.6
GE 1800	60.0	67.2	73.0	77.1	80.1	80.7	81.4	81.7	81.7	82.0	82.3	82.3	82.9	82.9	83.1	83.4
GE 1500	61.3	68.8	75.0	79.1	82.4	83.1	83.9	84.2	84.2	84.6	84.9	84.9	85.4	85.4	85.7	86.0
GE 1200	61.9	69.4	76.2	80.6	84.0	84.9	85.7	86.0	86.0	86.3	86.7	86.7	87.2	87.2	87.4	87.8
GE 1000	62.4	70.0	77.2	81.7	85.4	86.3	87.1	87.4	87.4	87.8	88.1	88.1	88.7	88.7	88.9	89.2
GE 900	63.0	70.8	78.1	82.9	86.8	87.8	88.6	88.9	88.9	89.2	89.6	89.6	90.1	90.1	90.3	90.7
GE 800	63.4	71.2	78.6	83.3	87.2	88.2	89.0	89.4	89.4	89.8	90.1	90.1	90.7	90.7	90.9	91.2
GE 700	63.6	71.4	78.9	84.1	88.0	89.0	89.9	90.4	90.4	90.8	91.1	91.1	91.7	91.7	91.9	92.2
GE 600	63.8	71.7	79.1	84.4	88.6	89.7	90.6	91.2	91.2	91.7	92.0	92.0	92.6	92.6	92.8	93.2
GE 500	64.0	71.9	79.4	84.9	89.1	90.2	91.2	92.3	92.3	92.8	93.1	93.1	93.7	93.7	93.9	94.3
GE 400	64.0	72.1	79.8	85.2	89.6	90.8	91.9	93.2	93.4	93.9	94.4	94.4	95.0	95.0	95.2	95.7
GE 300	64.0	72.1	79.8	85.4	90.1	91.7	92.8	94.4	94.8	95.2	95.9	95.9	96.4	96.4	96.7	97.1
GE 200	64.0	72.1	79.9	85.7	90.4	92.0	93.3	95.0	95.3	95.8	96.6	96.6	97.3	97.3	97.7	98.2
GE 100	64.0	72.1	79.9	85.7	90.6	92.2	93.6	95.2	95.7	96.1	96.9	96.9	97.7	97.7	98.0	99.7
GE 000	64.0	72.1	79.9	85.7	90.6	92.2	93.6	95.2	95.7	96.1	96.9	96.9	97.7	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.0	44.7	46.2	47.1	47.6	47.8	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 20000	43.0	50.0	51.6	52.6	53.2	53.4	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 18000	43.1	50.1	51.7	52.7	53.3	53.6	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 16000	43.1	50.1	51.7	52.7	53.3	53.6	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 14000	43.3	50.4	52.0	53.0	53.7	53.9	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	44.0	51.2	52.8	53.8	54.4	54.7	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 10000	46.2	53.4	55.2	56.4	57.6	57.8	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000	46.3	53.6	55.3	56.6	57.7	57.9	58.3	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 8000	50.0	57.6	59.7	60.9	62.0	62.2	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 7000	51.1	59.0	61.1	62.3	63.7	63.9	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 6000	51.3	59.2	61.4	62.7	64.0	64.2	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 5000	53.0	61.2	63.6	64.8	66.3	66.7	67.2	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 4500	55.0	63.2	65.8	67.2	68.8	69.1	69.7	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4000	57.4	66.0	68.8	70.3	72.0	72.3	73.1	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500	59.3	67.9	71.1	72.9	74.7	75.0	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	61.9	70.9	74.6	76.7	78.9	79.2	80.2	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2500	63.3	72.3	76.2	78.4	80.8	81.1	82.1	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2000	64.1	73.3	77.3	79.6	82.1	82.6	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	64.8	74.2	78.2	80.4	83.0	83.4	84.4	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1500	65.7	75.3	80.2	83.0	85.6	86.1	87.1	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.	87.4
GE 1200	66.3	76.1	81.2	84.6	87.1	87.7	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	66.6	76.4	81.8	85.3	88.0	88.6	89.6	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 900	66.8	76.7	82.0	85.7	88.9	89.4	90.4	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 800	66.9	76.9	82.2	86.1	89.6	90.3	91.3	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 700	67.1	77.1	82.8	86.9	90.6	91.6	92.6	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 600	67.1	77.3	83.1	87.3	91.3	92.6	93.8	94.2	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 500	67.2	77.4	83.4	87.7	92.0	93.7	94.9	95.7	95.9	96.3	96.3	96.3	96.4	96.4	96.4	96.4
GE 400	67.2	77.4	83.6	88.1	93.2	95.3	96.8	97.8	98.0	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 300	67.2	77.4	83.7	88.2	93.4	95.6	97.0	98.0	98.3	99.0	99.2	99.2	99.3	99.3	99.4	99.4
GE 200	67.2	77.4	83.7	88.2	93.4	95.6	97.1	98.1	98.4	99.3	99.7	99.7	99.9	99.9	100.0	100.0
GE 100	67.2	77.4	83.7	88.2	93.4	95.6	97.1	98.1	98.4	99.3	99.7	99.7	99.9	99.9	100.0	100.0
GE 000	67.2	77.4	83.7	88.2	93.4	95.6	97.1	98.1	98.4	99.3	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.6	43.1	44.1	44.3	44.4	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 20000	48.4	52.6	53.8	54.2	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	48.9	53.0	54.2	54.7	54.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000	48.9	53.0	54.2	54.7	54.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000	49.0	53.1	54.3	54.8	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	49.4	53.7	54.9	55.3	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 10000	52.2	56.9	58.2	58.7	58.9	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 9000	52.3	57.1	58.4	58.9	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	55.2	60.0	61.4	62.1	62.3	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	55.9	60.9	62.3	63.1	63.3	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 6000	56.2	61.2	62.7	63.4	63.7	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 5000	57.7	62.8	64.2	65.0	65.2	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 4500	59.2	64.3	65.9	66.7	66.9	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 4000	63.2	68.7	70.2	71.0	71.2	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 3500	66.8	72.2	74.1	75.0	75.2	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	71.3	77.2	79.2	80.3	80.7	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	72.4	78.3	80.3	81.7	82.0	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	74.0	80.1	82.7	84.2	84.7	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1800	75.2	81.4	84.2	85.9	86.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1500	76.7	82.9	86.2	87.9	88.3	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	77.0	83.3	86.8	88.6	89.3	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	77.4	84.0	87.6	89.4	90.7	91.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 900	77.4	84.0	87.6	89.7	91.0	91.4	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 800	77.4	84.1	87.9	90.3	91.8	92.4	93.[illegible]	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	77.4	84.1	87.9	90.3	92.1	92.8	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 600	77.4	84.1	87.9	90.3	92.1	93.1	94.7	95.2	95.2	95.3	95.3	95.4	95.6	95.6	95.6	95.6
GE 500	77.4	84.1	87.9	90.3	92.4	93.4	95.2	95.9	95.9	96.0	96.0	96.1	96.2	96.2	96.2	96.2
GE 400	77.4	84.1	87.9	90.3	93.0	94.1	96.4	97.6	97.8	98.2	98.3	98.4	98.6	98.6	98.6	98.6
GE 300	77.4	84.1	87.9	90.3	93.0	94.2	96.6	98.1	98.3	99.1	99.2	99.3	99.4	99.4	99.4	99.4
GE 200	77.4	84.1	87.9	90.3	93.0	94.2	96.6	98.2	98.4	99.2	99.3	99.4	99.9	99.9	99.9	99.9
GE 100	77.4	84.1	87.9	90.3	93.0	94.2	96.6	98.2	98.4	99.2	99.3	99.4	100.0	100.0	100.0	100.0
GE 000	77.4	84.1	87.9	90.3	93.0	94.2	96.6	98.2	98.4	99.2	99.3	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	46.3	46.6	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	52.1	55.7	56.0	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	52.2	55.8	56.1	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	52.2	55.8	56.1	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	52.7	56.2	56.6	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 12000	53.3	56.9	57.2	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 10000	56.1	60.1	60.8	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	56.1	60.3	61.2	61.7	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 8000	59.8	64.1	65.0	65.7	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	61.3	65.7	66.6	67.2	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 6000	61.3	65.7	66.6	67.2	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 5000	62.6	67.1	68.0	68.7	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 4500	63.8	68.3	69.3	70.0	70.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4000	67.7	72.6	73.6	74.2	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3500	71.0	76.0	77.1	77.8	77.9	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3000	75.2	80.4	81.7	82.6	82.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 2500	76.9	82.2	83.9	85.1	85.2	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2000	77.7	83.0	84.8	86.4	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1800	77.9	83.3	85.1	86.8	86.9	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	78.6	84.2	86.0	88.3	88.7	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1200	79.3	85.2	87.2	89.7	90.0	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	80.0	86.0	88.1	90.6	90.9	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 900	80.0	86.0	88.1	90.6	91.3	92.2	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 800	80.0	86.0	88.1	90.6	91.3	92.2	93.1	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 700	80.0	86.2	88.4	91.0	91.8	92.8	94.1	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	80.0	86.2	88.4	91.1	92.0	93.0	94.4	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 500	80.0	86.3	88.6	91.3	92.3	93.3	95.3	96.1	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 400	80.1	86.4	88.7	91.7	92.7	93.8	96.0	97.1	97.2	97.8	98.0	98.1	98.1	98.1	98.1	98.1
GE 300	80.1	86.4	88.7	91.8	92.9	94.1	96.8	98.1	98.3	99.0	99.4	99.6	99.6	99.6	99.6	99.6
GE 200	80.1	86.4	88.7	91.8	92.9	94.1	96.8	98.1	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7
GE 100	80.1	86.4	88.7	91.8	92.9	94.1	96.8	98.1	98.3	99.0	99.6	99.7	99.7	99.7	100.0	100.0
GE 000	80.1	86.4	88.7	91.8	92.9	94.1	96.8	98.1	98.3	99.0	99.6	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.2	50.2	50.6	51.1	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.6
GE 20000	56.9	58.8	59.4	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6
GE 18000	56.9	58.8	59.4	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6
GE 16000	56.9	58.8	59.4	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6
GE 14000	57.0	58.9	59.7	60.3	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
GE 12000	58.1	60.0	60.8	61.4	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9
GE 10000	61.3	63.2	64.1	64.8	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
GE 9000	61.6	63.4	64.3	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4
GE 8000	66.2	68.7	69.6	70.3	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8
GE 7000	67.3	69.8	70.7	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
GE 6000	67.6	70.0	70.9	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
GE 5000	68.4	71.1	72.0	72.9	73.2	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7
GE 4500	69.9	72.7	73.6	74.4	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2
GE 4000	71.7	74.9	75.8	76.7	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
GE 3500	74.8	78.1	79.0	80.1	80.4	80.4	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
GE 3000	77.2	81.0	82.1	83.3	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4
GE 2500	78.6	82.4	83.6	84.9	85.6	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0
GE 2000	79.6	83.7	84.8	86.1	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3
GE 1800	79.7	83.8	84.9	86.4	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
GE 1500	80.7	84.9	86.1	87.9	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1
GE 1200	81.1	85.3	86.6	88.6	89.3	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
GE 1000	81.1	85.3	86.6	88.9	89.7	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6
GE 900	81.1	85.3	86.7	89.0	90.3	90.8	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9
GE 800	81.4	85.7	87.0	89.4	90.9	91.3	92.0	92.4	92.4	92.6	92.7	92.7	92.7	92.8	92.8	92.8
GE 700	81.4	85.9	87.4	89.9	91.9	92.3	93.3	93.8	93.8	93.9	94.0	94.0	94.0	94.1	94.1	94.1
GE 600	81.7	86.2	87.8	90.3	92.6	93.0	94.1	94.9	94.9	95.0	95.1	95.1	95.1	95.2	95.2	95.2
GE 500	81.8	86.4	88.2	90.8	93.0	93.4	94.7	95.7	95.7	95.8	96.1	96.1	96.1	96.2	96.2	96.2
GE 400	81.8	86.7	88.6	91.3	93.6	94.0	95.2	96.8	96.8	96.9	97.2	97.2	97.2	97.3	97.3	97.3
GE 300	81.8	86.7	88.6	91.6	94.0	94.6	96.1	97.9	98.0	98.6	98.9	98.9	98.9	99.0	99.0	99.0
GE 200	81.8	86.7	88.6	91.7	94.3	94.9	96.6	98.3	98.4	99.0	99.4	99.4	99.6	99.7	99.8	99.8
GE 100	81.8	86.7	88.6	91.7	94.3	94.9	96.6	98.3	98.4	99.0	99.4	99.4	99.6	99.7	100.0	100.0
GE 000	81.8	86.7	88.6	91.7	94.3	94.9	96.6	98.3	98.4	99.0	99.4	99.4	99.6	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.1	50.4	51.2	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.3
GE 20000	53.4	55.9	57.0	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
GE 18000	53.4	55.9	57.0	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
GE 16000	53.4	55.9	57.0	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
GE 14000	54.1	56.6	57.7	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.1
GE 12000	55.7	58.1	59.2	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.7
GE 10000	58.2	60.8	61.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.4
GE 9000	58.4	61.0	62.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.7
GE 8000	63.1	65.9	67.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6
GE 7000	63.9	66.7	67.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3
GE 6000	65.0	67.9	69.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7
GE 5000	66.3	69.3	70.4	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.4
GE 4500	68.0	71.0	72.1	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.1
GE 4000	70.0	73.3	74.6	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.6
GE 3500	72.6	76.3	77.7	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
GE 3000	74.4	78.6	80.0	81.3	82.1	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.7
GE 2500	75.4	79.7	81.4	82.8	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	84.2
GE 2000	76.0	80.4	82.3	83.7	84.7	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.2
GE 1800	76.1	80.6	82.4	83.8	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.3
GE 1500	77.1	81.8	84.0	85.3	86.3	86.4	86.4	86.4	86.4	86.6	86.7	86.7	86.7	86.7	86.7	87.0
GE 1200	77.8	82.4	84.7	86.0	87.2	87.3	87.3	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	88.0
GE 1000	78.1	82.9	85.2	86.7	88.0	88.2	88.3	88.4	88.4	88.6	88.8	88.8	88.8	88.8	88.8	89.1
GE 900	78.3	83.1	85.4	86.9	88.3	88.6	88.8	89.0	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.8
GE 800	78.8	83.7	86.2	88.1	89.8	90.1	90.3	90.6	90.6	90.7	91.0	91.0	91.0	91.0	91.0	91.3
GE 700	78.8	83.7	86.2	88.3	90.2	90.6	90.8	91.0	91.1	91.2	91.6	91.6	91.6	91.6	91.6	91.9
GE 600	79.1	84.0	86.7	88.8	91.1	91.6	91.9	92.3	92.4	92.8	93.1	93.1	93.1	93.1	93.1	93.4
GE 500	79.4	84.3	87.2	89.3	91.9	92.6	93.0	93.7	93.8	94.1	94.4	94.4	94.4	94.4	94.6	94.9
GE 400	79.6	84.6	87.7	89.9	92.4	93.1	93.8	94.7	94.9	95.2	95.6	95.6	95.7	95.8	95.9	96.2
GE 300	79.6	84.6	87.8	90.0	92.6	93.3	94.2	95.3	95.7	96.0	96.3	96.3	96.4	96.6	96.8	97.1
GE 200	79.6	84.6	87.8	90.0	92.6	93.3	94.4	96.1	96.6	96.9	97.6	97.6	97.8	97.9	98.4	98.8
GE 100	79.6	84.6	87.8	90.0	92.6	93.3	94.7	96.4	96.9	97.4	98.1	98.1	98.6	98.7	99.3	99.9
GE 000	79.6	84.6	87.8	90.0	92.6	93.3	94.7	96.4	96.9	97.4	98.1	98.1	98.6	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	47.2	48.5	49.3	49.6	49.7	49.8	49.9	49.9	49.9	50.0	50.0	50.1	50.1	50.1	50.2
GE 20000	49.5	53.3	54.9	55.8	56.3	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.9	57.0
GE 18000	49.6	53.3	55.0	55.8	56.4	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.9	56.9	57.0	57.1
GE 16000	49.6	53.3	55.0	55.8	56.4	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.9	56.9	57.0	57.1
GE 14000	49.8	53.7	55.3	56.2	56.8	56.8	57.0	57.0	57.0	57.1	57.1	57.1	57.3	57.3	57.3	57.4
GE 12000	50.5	54.4	56.1	57.0	57.6	57.6	57.8	57.8	57.8	57.9	58.0	58.0	58.1	58.1	58.1	58.2
GE 10000	53.4	57.5	59.3	60.3	61.0	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.6	61.7
GE 9000	53.5	57.7	59.5	60.5	61.2	61.3	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.8	61.9
GE 8000	57.2	61.7	63.6	64.6	65.3	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.9	65.9	66.0
GE 7000	58.2	62.7	64.7	65.7	66.5	66.6	66.8	66.9	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.3
GE 6000	58.8	63.4	65.4	66.4	67.2	67.3	67.5	67.6	57.6	67.6	67.7	67.7	67.8	67.8	67.8	67.9
GE 5000	60.2	65.0	67.0	68.1	68.9	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.7	69.7	69.7	69.8
GE 4500	61.9	66.8	68.8	69.9	70.8	71.0	71.2	71.3	71.3	71.4	71.4	71.4	71.5	71.6	71.6	71.7
GE 4000	64.4	69.5	71.7	72.9	73.8	74.0	74.3	74.3	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.8
GE 3500	66.9	72.2	74.6	75.9	76.8	77.0	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.7	77.7	77.8
GE 3000	69.4	75.1	77.6	79.1	80.3	80.5	80.8	80.9	80.9	81.0	81.1	81.1	81.2	81.2	81.3	81.4
GE 2500	70.7	76.5	79.2	80.8	82.0	82.3	82.7	82.8	82.8	82.9	82.9	82.9	83.0	83.1	83.1	83.2
GE 2000	71.6	77.5	80.5	82.3	83.6	84.0	84.4	84.5	84.5	84.5	84.6	84.6	84.7	84.7	84.8	84.9
GE 1800	71.9	78.0	80.9	82.8	84.2	84.5	84.9	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.4	85.5
GE 1500	73.1	79.2	82.5	84.6	86.1	86.5	87.0	87.1	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.6
GE 1200	73.7	79.9	83.4	85.6	87.3	87.7	88.2	88.3	88.3	88.4	88.5	88.5	88.6	88.7	88.7	88.8
GE 1000	74.1	80.5	84.1	86.5	88.3	88.8	89.3	89.5	89.5	89.7	89.7	89.7	89.9	89.9	89.9	90.0
GE 900	74.3	80.7	84.4	86.8	88.9	89.5	90.1	90.4	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.9
GE 800	74.5	80.9	84.7	87.3	89.5	90.1	90.8	91.1	91.1	91.3	91.4	91.4	91.5	91.5	91.6	91.7
GE 700	74.5	81.1	84.9	87.7	90.1	90.8	91.7	92.1	92.1	92.3	92.4	92.4	92.5	92.5	92.6	92.7
GE 600	74.6	81.3	85.2	88.1	90.8	91.6	92.5	93.0	93.1	93.3	93.5	93.5	93.6	93.6	93.7	93.8
GE 500	74.8	81.5	85.6	88.5	91.4	92.4	93.5	94.3	94.3	94.6	94.8	94.8	94.9	95.0	95.0	95.2
GE 400	74.9	81.7	85.9	89.0	92.2	93.3	94.6	95.6	95.7	96.1	96.4	96.4	96.6	96.7	96.7	96.9
GE 300	74.9	81.7	86.0	89.2	92.6	93.8	95.3	96.6	96.8	97.3	97.6	97.6	97.9	97.9	98.0	98.2
GE 200	74.9	81.7	86.0	89.3	92.7	94.0	95.6	97.0	97.3	97.8	98.3	98.3	98.7	98.7	98.9	99.1
GE 100	74.9	81.7	86.1	89.3	92.8	94.1	95.8	97.2	97.4	98.0	98.5	98.5	98.9	99.0	99.2	99.8
GE 000	74.9	81.7	86.1	89.3	92.8	94.1	95.8	97.2	97.4	98.0	98.5	98.5	98.9	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.7	47.6	48.6	48.9	49.0	49.1	49.2	49.2	49.2	49.4	49.5	49.5	49.5	49.5	49.7	49.7
GE 20000	50.6	52.7	53.7	54.0	54.1	54.2	54.3	54.3	54.3	54.4	54.5	54.5	54.5	54.5	54.7	54.7
GE 18000	50.6	52.7	53.7	54.0	54.1	54.2	54.3	54.3	54.3	54.4	54.5	54.5	54.5	54.5	54.7	54.7
GE 16000	50.6	52.7	53.7	54.0	54.1	54.2	54.3	54.3	54.3	54.4	54.5	54.5	54.5	54.5	54.7	54.7
GE 14000	50.6	52.7	53.7	54.0	54.1	54.2	54.3	54.3	54.3	54.4	54.5	54.5	54.5	54.5	54.7	54.7
GE 12000	50.9	52.9	53.9	54.2	54.3	54.4	54.5	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.9	54.9
GE 10000	53.7	55.8	56.8	57.1	57.2	57.3	57.4	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.8	57.8
GE 9000	54.0	56.1	57.1	57.4	57.5	57.6	57.7	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.2	58.2
GE 8000	58.1	61.2	62.3	62.7	62.9	63.1	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.7	63.7
GE 7000	58.7	62.2	63.2	63.7	64.0	64.2	64.3	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.8	64.8
GE 6000	59.7	63.1	64.2	64.6	64.9	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.8	65.8
GE 5000	62.5	66.2	67.4	68.1	68.4	68.6	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.2	69.2
GE 4500	64.6	68.5	69.8	70.4	70.8	71.0	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.6	71.6
GE 4000	67.6	71.6	73.1	74.1	74.5	74.7	74.8	74.9	74.9	75.1	75.2	75.2	75.3	75.3	75.5	75.5
GE 3500	69.7	73.9	75.6	76.7	77.2	77.4	77.5	77.6	77.6	77.7	77.8	77.8	78.0	78.0	78.2	78.2
GE 3000	74.6	79.1	80.9	82.2	82.8	83.0	83.2	83.4	83.4	83.5	83.7	83.7	83.8	83.8	84.0	84.0
GE 2500	75.3	79.9	81.8	83.1	83.8	84.0	84.2	84.4	84.4	84.5	84.6	84.6	84.7	84.7	84.9	84.9
GE 2000	75.6	80.5	82.6	83.9	84.5	84.7	84.9	85.4	85.4	85.5	85.6	85.6	85.7	85.7	85.9	85.9
GE 1800	75.6	80.5	82.6	83.9	84.6	84.8	85.1	85.6	85.6	85.7	85.8	85.8	85.9	85.9	86.1	86.1
GE 1500	76.0	81.0	83.2	84.5	85.4	85.7	85.9	86.5	86.6	86.7	86.8	86.8	86.9	86.9	87.1	87.1
GE 1200	76.6	81.7	84.1	85.4	86.3	86.8	87.0	87.5	87.6	87.7	87.8	87.8	88.0	88.0	88.2	88.2
GE 1000	76.6	81.8	84.4	85.8	86.9	87.4	88.0	88.5	88.6	88.8	88.9	88.9	89.0	89.0	89.2	89.2
GE 900	76.6	82.0	84.6	86.0	87.1	87.6	88.2	88.8	88.9	89.1	89.2	89.2	89.4	89.4	89.6	89.6
GE 800	76.7	82.3	84.9	86.5	87.5	88.1	88.9	89.7	89.8	90.0	90.1	90.1	90.3	90.3	90.5	90.5
GE 700	76.7	82.3	84.9	86.7	87.8	88.4	89.2	90.0	90.1	90.3	90.4	90.4	90.6	90.6	90.9	90.9
GE 600	76.7	82.3	84.9	86.9	88.2	88.7	89.7	90.4	90.5	90.9	91.0	91.0	91.2	91.2	91.4	91.4
GE 500	76.7	82.4	85.1	87.2	88.7	89.6	90.5	91.4	91.6	91.9	92.2	92.2	92.6	92.6	92.8	92.8
GE 400	76.9	82.6	85.3	87.5	89.4	90.3	91.7	92.7	92.9	93.3	93.8	93.8	94.2	94.2	94.4	94.4
GE 300	76.9	82.6	85.4	88.1	89.9	91.1	92.6	93.7	93.9	94.7	95.6	95.6	96.1	96.1	96.3	96.3
GE 200	76.9	82.6	85.4	88.2	90.2	91.5	93.1	94.2	94.4	95.3	96.6	96.6	97.2	97.3	97.6	97.6
GE 100	76.9	82.6	85.4	88.3	90.4	91.8	93.5	94.6	94.9	95.9	97.6	97.6	98.4	98.5	99.2	99.8
GE 000	76.9	82.6	85.4	88.3	90.4	91.8	93.5	94.6	94.9	95.9	97.6	97.6	98.4	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.3	44.0	44.9	46.5	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	47.0
GE 20000	47.0	48.7	49.9	51.5	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.2
GE 18000	47.0	48.7	50.0	51.6	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.2	52.3
GE 16000	47.0	48.7	50.0	51.6	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.2	52.3
GE 14000	47.2	48.9	50.2	51.8	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.5
GE 12000	47.8	49.6	51.0	52.6	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2
GE 10000	51.2	53.0	54.4	56.0	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.7
GE 9000	51.3	53.1	54.5	56.1	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.8
GE 8000	55.7	57.6	59.2	61.1	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.9
GE 7000	55.9	58.1	59.7	61.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.4
GE 6000	56.3	58.8	60.4	62.3	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.1
GE 5000	59.1	62.6	64.3	66.2	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1
GE 4500	61.0	64.4	66.3	68.4	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.5
GE 4000	65.2	68.6	70.5	72.8	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9	74.1
GE 3500	66.7	70.1	72.0	74.3	74.9	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.9
GE 3000	70.3	74.1	76.2	78.8	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.5
GE 2500	71.6	75.6	78.1	80.8	81.8	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.8
GE 2000	72.6	76.6	79.2	81.9	83.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.5
GE 1800	72.8	76.8	79.6	82.3	83.5	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.8
GE 1500	73.3	77.3	80.2	82.9	84.3	84.6	85.3	85.3	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.9
GE 1200	73.5	77.5	80.5	83.3	84.7	85.1	85.8	85.8	85.9	86.1	86.1	86.1	86.3	86.3	86.3	86.6
GE 1000	74.0	78.0	81.1	83.9	85.4	85.7	86.8	86.9	87.0	87.3	87.3	87.3	87.5	87.5	87.5	87.7
GE 900	74.0	78.2	81.3	84.1	85.6	85.9	87.1	87.2	87.3	87.6	87.6	87.6	87.8	87.8	87.8	88.1
GE 800	74.2	78.4	81.8	85.2	86.7	87.1	88.3	88.4	88.5	88.8	88.9	88.9	89.1	89.1	89.1	89.4
GE 700	74.2	78.6	82.2	85.5	87.1	87.5	88.7	88.8	88.9	89.2	89.4	89.4	89.6	89.6	89.6	89.8
GE 600	74.2	78.6	82.3	85.6	87.2	87.6	88.8	88.9	89.0	89.5	89.6	89.6	89.9	89.9	89.9	90.1
GE 500	74.6	79.1	83.1	86.8	88.8	89.2	90.8	91.2	91.3	91.7	91.9	91.9	92.4	92.4	92.4	92.6
GE 400	74.7	79.5	83.5	87.5	89.7	90.5	92.4	93.0	93.2	94.2	94.4	94.4	94.8	94.8	94.8	95.1
GE 300	74.7	79.5	83.5	87.7	90.0	90.9	92.9	93.5	93.9	95.2	95.8	95.9	96.6	96.6	96.6	96.8
GE 200	74.7	79.5	83.5	88.1	90.8	91.6	93.7	94.3	94.8	96.5	97.4	97.5	98.3	98.3	98.3	98.5
GE 100	74.7	79.5	83.5	88.1	90.8	91.6	93.7	94.3	94.8	96.5	97.5	97.6	98.6	98.6	98.6	99.2
GE 000	74.7	79.5	83.5	88.1	90.8	91.6	93.7	94.3	94.8	96.5	97.5	97.6	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.1	39.0	40.6	42.2	42.7	42.8	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2
GE 20000	41.7	44.9	46.9	48.5	49.4	49.7	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1
GE 18000	41.8	45.1	47.1	48.7	49.6	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3
GE 16000	41.8	45.1	47.1	48.7	49.6	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3
GE 14000	41.8	45.1	47.2	48.8	49.7	50.0	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
GE 12000	43.2	46.7	48.9	50.5	51.4	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2
GE 10000	45.8	49.7	51.9	53.5	54.6	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4
GE 9000	45.8	49.7	51.9	53.5	54.6	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4
GE 8000	51.2	55.6	58.1	59.9	61.2	61.5	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0
GE 7000	51.7	56.2	58.8	60.6	61.9	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8
GE 6000	52.0	56.6	59.1	61.0	62.3	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1
GE 5000	54.4	59.5	62.4	64.2	65.5	65.8	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.5	66.5
GE 4500	56.7	61.9	64.9	66.9	68.2	68.5	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1
GE 4000	60.0	65.5	68.7	71.0	72.6	73.1	73.4	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.9	73.9
GE 3500	61.3	67.2	70.9	73.4	75.3	75.9	76.5	76.7	76.8	76.9	76.9	76.9	76.9	76.9	77.0	77.0
GE 3000	63.5	69.8	73.9	76.5	78.4	79.0	79.6	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1
GE 2500	65.2	71.5	75.6	78.4	80.3	81.0	81.5	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.2	82.2
GE 2000	65.7	72.0	76.3	79.5	81.7	82.5	83.0	83.4	83.5	83.8	83.8	83.8	83.8	83.8	83.9	83.9
GE 1800	65.8	72.2	76.5	79.6	81.8	82.6	83.1	83.5	83.7	83.9	83.9	83.9	83.9	83.9	84.0	84.0
GE 1500	66.2	72.7	77.1	80.3	82.6	83.4	84.0	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.8	84.8
GE 1200	66.5	72.9	77.3	80.5	82.9	83.8	84.4	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.3	85.3
GE 1000	66.8	73.5	78.1	81.4	84.1	84.9	85.6	86.1	86.2	86.7	86.8	86.8	86.8	86.8	86.9	86.9
GE 900	67.1	74.0	78.6	81.9	84.7	85.6	86.2	86.8	86.9	87.3	87.4	87.4	87.4	87.4	87.5	87.5
GE 800	67.4	74.6	79.6	82.9	86.1	87.0	87.6	88.2	88.3	88.7	88.8	88.8	88.8	88.8	88.9	88.9
GE 700	67.6	74.8	80.1	83.4	86.9	87.7	88.4	88.9	89.0	89.5	89.6	89.6	89.6	89.6	89.7	89.7
GE 600	67.8	75.3	81.1	84.6	88.2	89.2	90.0	90.5	90.6	91.1	91.2	91.2	91.2	91.2	91.3	91.3
GE 500	68.1	76.0	82.0	85.9	89.7	90.9	91.8	92.5	92.6	93.1	93.2	93.2	93.2	93.2	93.3	93.3
GE 400	68.2	76.1	82.3	86.2	90.3	91.5	92.7	93.7	93.9	94.8	94.9	94.9	94.9	94.9	95.1	95.1
GE 300	68.2	76.1	82.4	86.6	91.0	92.5	93.7	94.8	95.2	96.1	96.2	96.2	96.5	96.5	96.9	96.9
GE 200	68.2	76.1	82.4	86.7	91.2	92.7	94.0	95.2	95.8	97.1	97.3	97.4	98.1	98.1	98.6	98.6
GE 100	68.2	76.1	82.4	86.7	91.2	92.7	94.0	95.2	95.8	97.1	97.3	97.4	98.3	98.6	99.5	99.9
GE 000	68.2	76.1	82.4	86.7	91.2	92.7	94.0	95.2	95.8	97.1	97.3	97.4	98.3	98.6	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.3	36.7	37.4	37.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	39.0	44.8	46.1	46.3	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 18000	39.2	45.2	46.5	46.7	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 16000	39.2	45.2	46.5	46.7	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 14000	39.5	45.4	46.7	46.9	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 12000	41.3	47.2	48.5	48.7	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	45.4	51.8	53.4	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	45.7	52.2	53.8	54.3	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 8000	51.5	58.4	60.4	61.1	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 7000	52.3	59.2	61.3	61.9	62.9	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 6000	52.4	59.4	61.5	62.2	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 5000	54.9	62.4	64.5	65.2	66.1	66.2	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	56.8	65.1	67.3	68.1	69.0	69.1	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4000	58.9	67.6	70.1	70.9	71.9	72.0	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3500	62.8	72.0	74.6	75.5	76.6	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3000	64.9	74.3	77.3	78.3	79.5	79.8	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2500	65.9	75.7	79.0	80.1	81.4	81.7	82.0	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2000	66.8	77.0	80.4	81.6	83.1	83.5	84.1	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1800	67.4	77.6	81.1	82.4	83.9	84.3	84.8	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1500	68.1	78.3	81.9	83.3	85.1	85.5	86.1	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1200	68.2	78.5	82.3	83.7	85.6	86.2	87.0	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1000	68.7	79.2	83.1	84.5	86.7	87.3	88.2	88.5	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0
GE 900	68.8	79.4	83.3	84.9	87.1	87.7	88.6	88.9	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 800	68.8	79.6	83.5	85.2	87.4	88.4	89.2	89.6	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	68.8	79.7	83.9	85.8	88.2	89.1	90.4	90.8	90.9	91.3	91.5	91.5	91.5	91.5	91.5	91.5
GE 600	68.9	79.9	84.1	86.1	88.5	89.7	91.0	91.3	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0
GE 500	68.9	80.0	84.2	86.2	89.2	90.9	92.7	93.2	93.3	94.1	94.6	94.6	94.7	94.7	94.7	94.7
GE 400	68.9	80.0	84.2	86.3	89.8	91.5	93.5	94.4	94.5	95.4	96.0	96.0	96.1	96.1	96.1	96.1
GE 300	68.9	80.1	84.3	86.5	90.0	91.8	94.2	95.4	95.6	97.1	98.2	98.2	98.3	98.3	98.3	98.3
GE 200	68.9	80.1	84.3	86.5	90.0	91.8	94.3	95.5	95.7	97.3	98.5	98.5	99.0	99.1	99.5	99.5
GE 100	68.9	80.1	84.3	86.5	90.0	91.8	94.3	95.5	95.7	97.3	98.5	98.6	99.1	99.4	99.8	100.0
GE 000	68.9	80.1	84.3	86.5	90.0	91.8	94.3	95.5	95.7	97.3	98.5	98.6	99.1	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.6	40.6	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 20000	46.6	50.0	50.3	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 18000	47.0	50.4	50.8	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 16000	47.0	50.4	50.8	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 14000	47.2	50.6	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 12000	49.2	52.7	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 10000	53.1	57.1	57.5	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 9000	53.3	57.4	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	59.9	64.4	64.8	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 7000	60.9	65.5	66.0	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 6000	61.1	65.7	66.3	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 5000	64.1	68.8	69.5	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4500	64.9	70.0	70.6	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	67.5	72.6	73.2	73.9	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500	70.8	75.9	76.8	77.4	77.6	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	73.0	78.2	79.1	80.1	80.4	80.6	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	74.1	79.6	80.6	81.7	82.0	82.3	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2000	75.5	81.1	82.3	83.7	84.0	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1800	75.6	81.4	82.6	84.0	84.3	84.5	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	76.2	82.4	83.8	85.4	85.9	86.2	86.6	86.9	86.9	86.9	87.1	87.1	87.2	87.2	87.2	87.2
GE 1200	76.5	82.6	84.1	85.7	86.2	86.7	87.0	87.3	87.3	87.3	87.5	87.5	87.6	87.6	87.6	87.6
GE 1000	76.7	82.8	84.6	86.5	87.2	87.7	88.2	88.6	88.6	88.6	88.8	88.8	88.9	88.9	88.9	88.9
GE 900	76.8	82.9	84.8	86.8	87.8	88.8	89.2	89.7	89.7	89.7	89.9	89.9	90.0	90.0	90.0	90.0
GE 800	76.9	83.0	85.1	87.0	88.5	89.5	89.9	90.3	90.3	90.4	90.6	90.6	90.8	90.8	90.8	90.8
GE 700	77.0	83.1	85.2	87.1	88.7	89.7	90.2	90.8	90.8	90.9	91.1	91.1	91.2	91.2	91.2	91.2
GE 600	77.0	83.1	85.2	87.1	89.1	90.2	90.9	91.5	91.5	91.6	91.8	91.8	91.9	91.9	91.9	91.9
GE 500	77.2	83.5	85.6	87.8	90.1	91.5	92.5	93.3	93.5	93.9	94.4	94.4	94.5	94.5	94.5	94.5
GE 400	77.2	83.5	85.6	87.8	90.3	91.7	93.3	94.6	95.1	95.8	96.3	96.3	96.5	96.5	96.5	96.5
GE 300	77.2	83.7	85.7	88.0	90.4	92.2	93.8	95.2	96.2	97.6	98.4	98.4	98.7	98.7	98.7	98.7
GE 200	77.2	83.7	85.7	88.0	90.4	92.2	93.8	95.4	96.5	98.1	99.1	99.1	99.7	99.7	99.7	99.8
GE 100	77.2	83.7	85.7	88.0	90.4	92.2	93.8	95.4	96.5	98.1	99.1	99.1	99.7	99.7	99.8	100.0
GE 000	77.2	83.7	85.7	88.0	90.4	92.2	93.8	95.4	96.5	98.1	99.1	99.1	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.0	41.9	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 20000	48.3	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 18000	48.9	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 16000	48.9	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 14000	48.9	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 12000	50.9	53.3	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 10000	56.0	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	56.2	59.0	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	62.0	65.2	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 7000	63.0	66.1	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	63.3	66.5	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 5000	65.7	69.1	69.7	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4500	67.1	70.8	71.3	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4000	70.9	74.7	75.4	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 3500	73.5	77.6	78.5	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3000	76.3	80.4	81.7	82.5	82.9	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	77.0	81.1	82.5	83.2	83.7	83.8	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
GE 2000	77.7	81.9	83.5	84.4	84.9	85.1	85.3	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6
GE 1800	78.0	82.2	83.8	84.6	85.2	85.3	85.5	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8
GE 1500	78.4	82.9	84.6	85.5	86.1	86.2	86.5	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 1200	78.4	83.0	84.8	85.9	86.7	86.8	87.0	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 1000	78.5	83.2	85.1	86.3	87.3	87.4	88.0	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4
GE 900	78.9	83.7	85.5	86.8	87.8	88.2	88.8	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 800	78.9	83.8	85.7	87.1	88.3	88.7	89.4	89.8	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	78.9	83.8	85.7	87.1	88.5	88.9	89.6	90.0	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6
GE 600	78.9	84.0	86.0	87.6	89.5	90.2	91.0	91.5	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2
GE 500	79.0	84.1	86.2	88.0	89.9	91.2	92.4	93.5	93.7	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 400	79.1	84.3	86.6	88.4	90.4	91.9	93.4	95.3	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 300	79.1	84.3	86.6	88.4	90.4	92.0	93.7	95.6	95.8	97.2	97.5	97.6	98.1	98.1	98.1	98.1
GE 200	79.1	84.3	86.6	88.4	90.4	92.2	94.0	96.1	96.3	98.3	99.0	99.1	99.6	99.6	99.6	99.6
GE 100	79.1	84.3	86.6	88.4	90.4	92.2	94.0	96.1	96.3	98.4	99.1	99.2	99.7	99.7	99.7	100.0
GE 000	79.1	84.3	86.6	88.4	90.4	92.2	94.0	96.1	96.3	98.4	99.1	99.2	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	47.1	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 20000	51.9	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	51.9	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 16000	51.9	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	51.9	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 12000	52.9	54.1	54.3	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 10000	57.8	59.0	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	58.0	59.1	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	62.7	64.0	64.6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 7000	63.9	65.2	65.8	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 6000	64.8	66.2	66.9	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 5000	66.6	68.1	69.1	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	68.6	70.1	71.2	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	71.1	73.0	74.1	74.1	74.8	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3500	73.4	75.7	77.1	77.1	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	76.3	78.7	80.1	80.3	81.2	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2500	77.4	80.3	81.9	82.3	83.3	83.4	83.4	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 2000	78.3	81.3	82.9	83.4	84.6	84.9	84.9	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1800	78.5	81.5	83.1	83.7	84.8	85.2	85.2	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1500	79.1	82.4	84.0	84.5	85.8	86.5	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1200	79.5	82.7	84.3	84.8	86.1	86.8	86.9	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1000	79.7	83.1	84.9	85.7	87.2	87.8	88.0	88.1	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 900	79.7	83.1	84.9	85.7	87.2	88.0	88.1	88.2	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.5
GE 800	79.8	83.3	85.4	86.2	88.3	89.0	89.1	89.4	89.4	89.8	89.8	89.8	89.9	89.9	89.9	89.9
GE 700	79.8	83.5	85.7	86.7	88.7	89.5	89.6	89.8	89.8	90.2	90.3	90.3	90.4	90.4	90.4	90.4
GE 600	79.8	83.5	85.9	87.0	89.2	90.1	90.2	90.4	90.5	91.1	91.3	91.3	91.4	91.4	91.4	91.4
GE 500	79.8	83.7	86.1	87.4	90.1	91.0	91.1	91.6	91.7	92.6	93.0	93.0	93.1	93.1	93.1	93.1
GE 400	79.8	83.7	86.2	87.7	91.0	92.0	92.4	93.4	93.5	94.4	94.9	94.9	95.1	95.1	95.1	95.1
GE 300	79.8	83.7	86.3	88.2	91.9	93.2	93.7	95.1	95.3	96.1	96.9	97.0	97.3	97.3	97.3	97.3
GE 200	79.8	83.7	86.3	88.2	91.9	93.4	94.0	95.8	96.0	97.1	98.3	98.5	98.9	98.9	98.9	98.9
GE 100	79.8	83.7	86.3	88.2	91.9	93.4	94.1	95.9	96.1	97.4	98.7	98.9	99.5	99.5	99.7	100.0
GE 000	79.8	83.7	86.3	88.2	91.9	93.4	94.1	95.9	96.1	97.4	98.7	98.9	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.9	45.6	45.7	46.3	46.3	46.3	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 20000	50.3	51.1	51.2	51.8	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	50.3	51.1	51.2	51.8	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 16000	50.3	51.1	51.2	51.8	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 14000	50.6	51.4	51.5	52.2	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 12000	50.8	51.7	51.8	52.5	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 10000	55.6	56.6	56.7	57.3	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	55.6	56.6	56.7	57.3	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 8000	60.1	61.7	62.4	63.2	63.5	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 7000	61.7	63.3	64.0	64.8	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 6000	62.9	64.7	65.4	66.2	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	66.2	68.2	68.8	69.8	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4500	67.8	69.9	70.5	71.5	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	70.6	72.9	73.8	74.9	75.5	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 3500	71.9	74.4	75.5	76.9	77.5	77.8	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 3000	74.9	77.8	79.1	81.0	81.8	82.2	82.3	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	76.5	80.0	81.3	83.2	84.2	84.5	84.6	84.8	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2
GE 2000	76.8	80.3	81.6	83.5	84.5	84.8	85.1	85.3	85.4	85.5	85.6	85.6	85.8	85.8	85.8	85.8
GE 1800	77.2	80.8	82.0	84.0	84.9	85.3	85.5	85.7	85.8	85.9	86.0	86.0	86.2	86.2	86.2	86.2
GE 1500	78.2	81.9	83.2	85.5	86.6	87.0	87.4	87.6	87.7	87.8	88.0	88.0	88.2	88.2	88.2	88.2
GE 1200	78.4	82.3	83.5	85.9	87.0	87.5	88.0	88.2	88.3	88.4	88.5	88.5	88.7	88.7	88.7	88.7
GE 1000	78.5	82.4	83.7	86.0	87.2	87.7	88.3	88.5	88.6	88.7	88.8	88.8	89.0	89.0	89.0	89.0
GE 900	78.5	82.4	83.7	86.1	87.4	88.1	88.7	89.0	89.2	89.5	89.6	89.6	89.8	89.8	89.8	89.8
GE 800	78.6	82.5	83.8	86.2	88.1	88.7	89.4	89.7	89.9	90.1	90.2	90.2	90.4	90.4	90.4	90.4
GE 700	78.6	82.6	83.9	86.5	88.5	89.4	90.0	90.4	90.6	90.9	91.0	91.0	91.2	91.2	91.2	91.2
GE 600	78.9	83.2	84.6	87.3	89.8	90.8	91.5	91.9	92.2	92.5	92.6	92.6	92.8	92.8	92.8	92.8
GE 500	78.9	83.3	84.8	87.5	90.1	91.1	91.8	92.5	92.7	93.1	93.2	93.2	93.5	93.5	93.5	93.5
GE 400	78.9	83.4	85.1	87.7	90.8	91.8	93.0	93.7	94.0	94.4	94.7	94.7	95.1	95.1	95.1	95.1
GE 300	79.0	83.5	85.2	87.8	91.0	92.0	93.3	94.3	94.6	95.1	95.7	95.7	96.0	96.0	96.0	96.0
GE 200	79.0	83.5	85.2	87.8	91.2	92.4	93.9	94.9	95.4	96.0	96.9	96.9	97.5	97.8	98.0	98.0
GE 100	79.0	83.5	85.2	87.8	91.2	92.4	93.9	94.9	95.4	96.0	96.9	96.9	98.0	98.3	98.8	99.6
GE 000	79.0	83.5	85.2	87.8	91.2	92.4	93.9	94.9	95.4	96.0	96.9	96.9	98.0	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.6	42.8	43.5	44.0	44.2	44.2	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
GE 20000	46.9	49.5	50.3	50.9	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
GE 18000	47.1	49.7	50.5	51.1	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7
GE 16000	47.1	49.7	50.5	51.1	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	47.2	49.8	50.7	51.3	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9
GE 12000	48.4	51.0	51.9	52.5	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1
GE 10000	52.3	55.2	56.2	56.8	57.2	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 9000	52.5	55.4	56.3	57.0	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6
GE 8000	57.6	61.0	62.2	63.0	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.8
GE 7000	58.5	62.0	63.2	64.0	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
GE 6000	59.1	62.6	63.9	64.7	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5
GE 5000	61.7	65.6	67.0	67.9	68.4	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
GE 4500	63.4	67.6	69.0	70.0	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9
GE 4000	66.5	70.8	72.4	73.5	74.2	74.4	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
GE 3500	68.8	73.4	75.1	76.3	77.1	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.8
GE 3000	71.8	76.6	78.5	79.9	80.8	81.1	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.7	81.7
GE 2500	72.9	78.0	80.1	81.6	82.6	82.8	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5
GE 2000	73.6	78.8	81.1	82.7	83.8	84.2	84.5	84.7	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 1800	73.9	79.1	81.4	83.0	84.1	84.5	84.8	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3
GE 1500	74.4	79.9	82.3	84.0	85.2	85.6	86.0	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.7	86.7
GE 1200	74.7	80.1	82.6	84.4	85.7	86.2	86.6	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.3	87.3
GE 1000	74.9	80.5	83.1	85.0	86.5	87.0	87.6	87.9	88.0	88.2	88.3	88.3	88.4	88.4	88.4	88.5
GE 900	75.0	80.7	83.3	85.3	86.9	87.5	88.1	88.5	88.5	88.8	88.9	88.9	89.0	89.0	89.0	89.0
GE 800	75.2	80.9	83.7	85.8	87.6	88.3	89.0	89.4	89.5	89.8	89.9	89.9	90.0	90.0	90.0	90.1
GE 700	75.2	81.0	83.9	86.1	88.1	88.8	89.5	89.9	90.0	90.3	90.5	90.5	90.6	90.6	90.6	90.7
GE 600	75.3	81.2	84.3	86.5	88.7	89.6	90.4	90.8	90.9	91.3	91.5	91.5	91.6	91.6	91.6	91.6
GE 500	75.4	81.5	84.7	87.1	89.6	90.7	91.7	92.4	92.6	93.1	93.4	93.4	93.5	93.5	93.6	93.6
GE 400	75.5	81.6	84.8	87.4	90.2	91.4	92.8	93.8	94.1	94.8	95.1	95.1	95.3	95.3	95.4	95.4
GE 300	75.5	81.7	84.9	87.6	90.6	92.0	93.5	94.7	95.1	96.1	96.8	96.8	97.2	97.2	97.3	97.3
GE 200	75.5	81.7	84.9	87.7	90.8	92.2	93.8	95.2	95.6	96.9	97.9	98.0	98.5	98.6	98.8	98.8
GE 100	75.5	81.7	84.9	87.7	90.8	92.3	93.9	95.2	95.7	97.1	98.1	98.2	98.9	99.0	99.4	99.8
GE 000	75.5	81.7	84.9	87.7	90.8	92.3	93.9	95.2	95.7	97.1	98.1	98.2	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.7	44.4	46.3	47.5	48.3	48.6	48.8	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.2
GE 20000	46.3	50.8	53.2	54.6	55.6	55.9	56.2	56.3	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.7
GE 18000	46.4	50.9	53.3	54.7	55.8	56.1	56.3	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.8	56.8
GE 16000	46.4	50.9	53.3	54.7	55.8	56.1	56.3	56.4	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8
GE 14000	46.6	51.1	53.5	55.0	56.0	56.3	56.6	56.7	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.1
GE 12000	47.3	52.0	54.5	56.0	57.1	57.4	57.6	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1
GE 10000	50.2	55.3	58.1	59.7	60.9	61.2	61.5	61.6	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.0
GE 9000	50.4	55.5	58.3	59.9	61.1	61.4	61.7	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.2	62.2
GE 8000	54.3	59.9	63.0	64.8	66.2	66.5	66.8	67.0	67.0	67.2	67.3	67.3	67.3	67.3	67.4	67.4
GE 7000	55.1	60.8	64.0	65.8	67.2	67.5	67.8	68.0	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.5
GE 6000	55.5	61.3	64.5	66.3	67.7	68.1	68.4	68.6	68.6	68.7	68.9	68.9	68.9	68.9	69.0	69.0
GE 5000	57.1	63.2	66.4	68.4	69.8	70.2	70.5	70.7	70.7	70.9	71.0	71.0	71.0	71.1	71.1	71.2
GE 4500	58.5	64.8	68.2	70.2	71.6	72.0	72.4	72.6	72.6	72.7	72.9	72.9	72.9	72.9	73.0	73.1
GE 4000	60.9	67.6	71.2	73.4	75.0	75.5	75.8	76.0	76.1	76.2	76.3	76.3	76.4	76.4	76.5	76.5
GE 3500	62.8	69.9	73.7	76.0	77.7	78.2	78.6	78.8	78.9	79.0	79.1	79.1	79.2	79.2	79.3	79.3
GE 3000	65.1	72.7	76.9	79.5	81.4	81.9	82.4	82.6	82.7	82.8	83.0	83.0	83.1	83.1	83.1	83.2
GE 2500	66.1	73.9	78.2	81.0	83.0	83.6	84.0	84.3	84.4	84.5	84.7	84.7	84.8	84.8	84.8	84.9
GE 2000	66.8	74.8	79.3	82.2	84.3	84.9	85.5	85.7	85.8	86.0	86.1	86.2	86.2	86.3	86.3	86.4
GE 1800	67.0	75.1	79.5	82.4	84.6	85.2	85.7	86.0	86.1	86.3	86.4	86.4	86.5	86.5	86.6	86.7
GE 1500	67.6	75.9	80.5	83.5	85.8	86.5	87.1	87.4	87.5	87.7	87.9	87.9	88.0	88.0	88.0	88.1
GE 1200	68.0	76.4	81.1	84.3	86.7	87.4	88.1	88.4	88.5	88.7	88.8	88.8	88.9	89.0	89.0	89.1
GE 1000	68.3	76.8	81.7	85.0	87.6	88.4	89.1	89.5	89.6	89.8	90.0	90.0	90.1	90.1	90.2	90.3
GE 900	68.4	77.0	82.0	85.4	88.2	89.0	89.7	90.1	90.2	90.5	90.7	90.7	90.8	90.8	90.9	90.9
GE 800	68.6	77.3	82.4	85.9	88.8	89.7	90.5	91.0	91.1	91.4	91.6	91.6	91.7	91.8	91.8	91.9
GE 700	68.7	77.5	82.7	86.4	89.5	90.4	91.4	91.9	92.0	92.3	92.5	92.5	92.7	92.7	92.7	92.8
GE 600	68.8	77.6	83.0	86.8	90.1	91.2	92.2	92.8	92.9	93.3	93.5	93.5	93.7	93.7	93.7	93.8
GE 500	68.9	77.8	83.3	87.3	90.8	92.0	93.3	94.0	94.1	94.6	94.9	94.9	95.1	95.1	95.2	95.3
GE 400	68.9	77.9	83.5	87.5	91.3	92.6	94.0	94.9	95.1	95.7	96.1	96.1	96.3	96.3	96.4	96.5
GE 300	69.0	77.9	83.6	87.7	91.6	93.0	94.6	95.7	96.0	96.7	97.3	97.3	97.6	97.6	97.7	97.9
GE 200	69.0	78.0	83.6	87.8	91.7	93.2	94.9	96.1	96.4	97.3	98.0	98.0	98.5	98.6	98.7	98.9
GE 100	69.0	78.0	83.6	87.8	91.7	93.2	94.9	96.1	96.4	97.4	98.1	98.2	98.8	98.9	99.3	99.8
GE 000	69.0	78.0	83.6	87.8	91.7	93.2	94.9	96.1	96.4	97.4	98.1	98.2	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 87641

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	25.6	19.0	14.3	37.3	3.8	55.4	4.5	930
03-05	24.6	21.8	11.5	39.6	2.5	53.5	6.2	930
06-08	13.2	28.5	19.5	35.7	3.1	58.3	4.7	930
09-11	8.1	26.9	25.9	36.0	3.1	65.0	6.2	929
12-14	6.7	26.6	26.9	36.9	3.0	66.8	6.3	930
15-17	7.6	29.0	23.7	36.7	3.0	63.3	5.6	930
18-20	16.2	29.0	17.7	33.9	3.1	54.7	5.4	930
21-23	23.3	21.6	15.1	36.2	3.8	55.1	5.5	930
ALL HOURS	15.7	25.3	19.3	36.5	3.2	59.0	5.6	7439

MONTH: FEB HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	25.7	21.3	11.6	38.9	2.6	53.1	5.4	846
03-05	26.4	19.7	13.2	36.8	3.9	53.9	5.1	846
06-08	16.7	23.8	19.1	35.9	4.5	59.6	5.3	846
09-11	9.1	24.2	24.0	40.2	2.5	66.7	5.6	846
12-14	7.3	24.0	24.1	43.9	.7	68.7	4.3	846
15-17	7.4	25.9	22.8	42.6	1.3	66.7	3.4	846
18-20	13.5	27.6	15.5	39.8	3.6	58.9	2.1	844
21-23	22.5	21.2	15.3	38.8	2.1	56.2	5.1	843
ALL HOURS	16.1	23.5	18.2	39.6	2.6	60.5	4.5	6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	28.9	19.1	14.5	35.3	2.2	51.9	4.1	930
03-05	25.6	21.2	14.9	36.7	1.6	53.2	5.7	930
06-08	13.0	30.4	21.0	33.7	1.9	56.6	6.0	930
09-11	10.9	28.1	24.9	35.1	1.1	61.1	3.4	930
12-14	8.4	26.9	27.6	36.5	.6	64.7	2.9	930
15-17	9.2	27.2	27.3	35.3	1.0	63.5	2.4	930
18-20	15.4	27.0	21.2	35.6	.9	57.6	2.3	930
21-23	24.8	23.0	14.2	36.5	1.5	52.2	3.4	930
ALL HOURS	17.0	25.4	20.7	35.6	1.3	57.6	3.8	7440

MONTH: APR HOURS: ALL

00-02	26.1	23.3	13.0	34.4	3.1	50.6	5.8	900
03-05	26.1	21.4	11.1	38.7	2.7	52.4	5.9	900
06-08	15.8	21.8	21.8	38.7	2.0	62.4	8.7	900
09-11	10.0	25.8	25.1	38.9	.2	64.2	5.0	900
12-14	5.3	27.0	31.7	35.8	.2	67.7	3.1	900
15-17	7.0	25.2	31.0	36.8		67.8	2.8	900
18-20	9.1	32.2	23.6	34.4	.7	58.7	3.3	900
21-23	23.7	24.3	15.3	34.1	2.6	52.0	4.2	900
ALL HOURS	15.4	25.1	21.6	36.5	1.4	59.5	4.8	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	20.6	21.5	17.7	37.5	2.6	57.8	5.7	930
03-05	16.5	24.3	19.2	34.7	5.3	59.2	9.1	930
06-08	9.8	24.6	25.3	35.3	5.1	65.6	7.6	930
09-11	5.9	26.5	30.9	36.3	.4	67.6	4.2	930
12-14	2.6	23.5	34.4	39.5		73.9	2.4	930
15-17	2.4	28.4	35.8	33.4		69.2	3.4	930
18-20	3.5	32.3	29.6	34.6		64.2	2.9	930
21-23	12.9	28.6	20.6	36.5	1.4	58.5	2.6	930
ALL HOURS	9.3	26.2	26.7	36.0	1.8	64.5	4.7	7440

MONTH: JUN HOURS: ALL

00-02	22.8	25.9	19.2	28.8	3.3	51.3	11.4	900
03-05	14.0	30.6	22.3	27.6	5.6	55.4	15.8	900
06-08	11.4	28.4	29.1	27.4	3.6	60.1	15.8	900
09-11	7.4	30.9	30.2	31.2	.2	61.7	11.6	900
12-14	2.0	29.8	39.4	28.8		68.2	10.0	900
15-17	2.2	31.8	37.0	29.0		66.0	8.2	900
18-20	5.0	35.1	30.6	29.3		59.9	8.6	900
21-23	18.2	31.4	18.9	31.0	.4	50.3	8.3	900
ALL HOURS	10.4	30.5	28.3	29.1	1.6	59.1	11.2	7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	18.6	28.0	23.5	28.3	1.6	53.4	13.8	930
03-05	14.3	31.4	25.3	25.5	3.5	54.3	19.2	930
06-08	9.8	32.8	31.2	25.1	1.2	57.4	20.3	930
09-11	6.2	32.9	33.9	27.0		60.9	15.2	930
12-14	2.3	33.0	38.2	26.6		64.7	13.9	930
15-17	.9	35.6	38.0	25.6		63.5	12.6	930
18-20	2.9	36.0	35.3	25.7	.1	61.1	11.2	930
21-23	14.7	34.8	23.3	26.8	.3	50.4	11.3	930
ALL HOURS	8.7	33.1	31.1	26.3	.8	58.2	14.7	7440

MONTH: AUG HOURS: ALL

00-02	25.4	28.4	18.0	27.1	1.2	46.2	12.3	930
03-05	19.7	28.2	23.8	26.6	1.8	52.2	18.3	930
06-08	11.6	29.6	28.9	27.6	2.3	58.8	19.7	930
09-11	7.4	33.4	32.9	26.0	.2	59.1	11.0	930
12-14	.9	36.1	36.6	26.5		63.0	10.0	930
15-17	.4	39.4	34.9	25.3		60.2	11.2	930
18-20	5.3	39.5	29.4	25.7	.2	55.3	9.7	930
21-23	21.5	32.5	20.6	24.9	.4	46.0	9.9	930
ALL HOURS	11.5	33.4	28.1	26.2	.8	55.1	12.7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	29.2	24.8	15.1	29.8	1.1	46.0	11.2	900
03-05	25.8	28.7	15.4	27.1	3.0	45.6	14.3	900
06-08	13.7	33.7	24.1	25.1	3.4	52.7	19.8	900
09-11	10.2	33.3	30.7	25.7	.1	56.4	11.3	900
12-14	5.0	35.0	35.1	24.9		60.0	7.6	900
15-17	4.8	36.1	35.2	23.9		59.1	6.4	900
18-20	11.7	35.0	27.1	26.2		53.3	6.8	900
21-23	27.7	25.4	18.4	28.1	.3	46.9	8.6	900
ALL HOURS	16.0	31.5	25.2	26.3	1.0	52.5	10.8	7200

MONTH: OCT HOURS: ALL

00-02	32.3	24.6	14.6	24.7	3.8	43.1	5.9	930
03-05	31.2	24.0	15.9	25.2	3.8	44.8	10.2	930
06-08	12.6	33.7	26.9	23.9	3.0	53.8	11.9	930
09-11	10.2	32.7	32.5	24.0	.6	57.1	6.1	930
12-14	7.7	32.4	32.9	26.7	.3	59.9	2.5	930
15-17	9.5	33.8	33.3	23.0	.4	56.8	3.8	930
18-20	20.4	31.5	21.4	25.1	1.6	48.1	3.1	930
21-23	30.2	25.4	17.6	24.7	2.0	44.4	4.3	930
ALL HOURS	19.3	29.7	24.4	24.7	1.9	51.0	6.0	7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	25.7	22.0	15.9	34.7	1.8	52.3	5.3	900
03-05	26.7	22.4	16.0	32.9	2.0	50.9	4.0	900
06-08	15.3	29.9	22.8	29.7	2.3	54.8	5.2	900
09-11	10.6	30.4	25.7	33.1	.2	59.0	3.1	900
12-14	7.6	26.9	30.9	34.6	.1	65.6	2.2	900
15-17	7.1	31.7	30.3	30.7	.2	61.2	2.9	900
18-20	17.3	28.2	22.0	32.0	.4	54.4	2.8	900
21-23	23.4	23.7	17.4	34.2	1.2	52.9	4.4	900
ALL HOURS	16.7	26.9	22.6	32.7	1.0	56.4	3.8	7200

MONTH: DEC HOURS: ALL

00-02	23.4	20.2	13.9	40.6	1.8	56.3	5.1	930
03-05	23.7	17.7	16.8	39.6	2.3	58.6	5.5	930
06-08	13.0	25.2	22.3	37.8	1.7	61.8	4.8	930
09-11	7.6	25.3	25.6	40.8	.8	67.1	6.2	930
12 14	5.5	28.2	25.7	39.6	1.1	66.3	4.7	930
15-17	4.9	30.4	24.9	38.9	.8	64.6	5.1	930
18-20	15.5	27.1	15.9	39.9	1.6	57.4	4.2	930
21-23	20.1	20.8	16.5	40.4	2.3	59.1	4.2	930
ALL HOURS	14.2	24.4	20.2	39.7	1.5	61.4	5.0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	25.3	23.2	16.0	33.1	2.4	51.5	7.5	10956
03-05	22.8	24.3	17.2	32.5	3.1	52.9	10.0	10956
06-08	13.0	28.6	24.4	31.3	2.8	58.5	10.9	10956
09-11	8.6	29.2	28.6	32.8	.8	62.1	7.4	10955
12-14	5.1	29.1	32.0	33.3	.5	65.8	5.8	10956
15-17	5.3	31.2	31.2	31.7	.6	63.5	5.7	10956
18-20	11.3	31.7	24.1	31.8	1.0	57.0	5.2	10954
21-23	21.9	26.1	17.8	32.6	1.5	52.0	6.0	10953
ALL HOURS	14.2	27.9	23.9	32.4	1.6	57.9	7.3	87642

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          EEEEEEEEEE
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          EEEEEEEEEE
PP      PP     AA    AA     RR      RR        TT              EE
PP      PP     AA    AA     RR      RR        TT              EE
PPPPPPPPP      AA    AA     RRRRRRRRR         TT              EEEEEE
PPPPPPPP       AAAAAAAAAA     RRRRRRRR        TT              EEEEEE
PP             AAAAAAAAAA     RR    RR        TT              EE
PP             AA    AA     RR     RR        TT              EE
PP             AA    AA     RR      RR       TT              EEEEEEEEEE
PP             AA    AA     RR       RR      TT              EEEEEEEEEE
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E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.
ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.
ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)
$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE	100						.1	.6	.1	.2				.1
GE	95						2.7	4.8	2.6	.6				.9
GE	90				.7	1.7	12.4	23.2	14.8	4.7				4.8
GE	85			.3	2.1	9.0	32.7	53.0	42.5	15.9	1.4			13.0
GE	80			1.0	5.5	21.0	59.4	80.9	72.1	36.3	6.4	.6		23.5
GE	75			3.4	11.4	40.1	78.3	95.3	90.9	58.6	17.2	2.0	.1	32.9
GE	70	.3	.5	6.2	22.4	59.6	91.2	99.0	98.3	79.2	35.8	7.2	.5	41.5
GE	65	1.3	2.7	12.0	35.1	76.8	96.9	100.0	99.9	92.6	55.6	17.4	2.3	49.2
GE	60	4.5	6.6	20.8	53.6	89.7	99.6		100.0	98.4	75.3	32.0	7.7	57.2
GE	55	9.6	12.8	32.9	73.3	97.1	100.0			99.9	90.1	49.5	15.0	64.9
GE	50	16.6	22.7	48.4	87.3	99.2				100.0	97.5	68.7	26.1	72.0
GE	45	28.0	35.7	66.2	96.6	100.0					99.5	85.1	40.6	79.2
GE	40	45.3	55.1	83.8	99.3						99.9	95.0	60.9	86.5
GE	35	65.6	75.0	94.1	99.9						100.0	98.5	78.2	92.6
GE	33	72.2	81.3	96.4	100.0							99.4	83.9	94.4
GE	30	81.3	89.0	98.2								99.9	90.0	96.5
GE	25	91.6	95.8	99.7								100.0	96.4	98.6
GE	20	96.7	98.7	100.0									99.5	99.6
GE	15	99.1	99.7										99.9	99.9
GE	10	99.9	99.9										100.0	100.0
GE	5	100.0	100.0											100.0
MEAN		39.0	41.7	50.3	61.4	71.7	80.6	84.8	83.1	76.3	65.8	54.7	42.8	62.6
SD		10.98	10.75	11.39	10.48	9.18	7.84	6.07	6.18	8.00	8.75	9.74	10.58	18.63
TOTAL OBS		1456	1327	1426	1350	1395	1350	1395	1432	1409	1456	1407	1457	16860

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE	75						.5	2.7	2.4	.3	.1			.5
GE	70					.1	7.9	28.3	23.6	6.5	.5			5.6
GE	65					2.8	29.7	61.9	53.2	19.9	2.0	.2		14.1
GE	60			.1	.9	12.7	57.3	85.9	79.5	39.5	7.3	1.0		23.6
GE	55	.1		.8	5.0	31.3	81.6	97.7	93.6	61.9	17.7	4.0	.4	32.7
GE	50	.5	.5	2.4	12.6	57.0	94.7	99.9	99.2	82.3	34.3	9.1	1.4	41.0
GE	45	1.4	2.0	6.5	30.9	82.2	99.6	100.0	99.9	94.0	56.3	18.5	3.5	49.4
GE	40	4.6	5.6	17.7	57.7	95.4	100.0		100.0	98.7	78.3	36.5	9.7	58.5
GE	35	12.6	15.6	38.7	80.4	99.6				100.0	92.7	57.9	22.2	68.2
GE	33	17.3	22.0	48.8	87.0	99.9					95.9	68.9	29.4	72.3
GE	30	29.1	34.7	65.2	94.9	100.0					98.8	83.1	43.4	79.0
GE	25	48.8	55.8	83.8	99.3						100.0	94.8	64.5	87.2
GE	20	68.3	75.2	94.9	99.9							99.1	79.3	93.0
GE	15	83.3	87.6	98.5	100.0							100.0	91.0	96.7
GE	10	92.7	95.9	99.7									97.2	98.8
GE	5	97.0	98.8	100.0									99.5	99.6
GE	0	99.7	99.8										99.9	99.9
GE	-5	99.9	100.0										100.0	100.0
GE	-10	100.0												100.0
MEAN		23.8	25.6	32.4	41.0	51.0	60.5	65.9	64.5	57.2	46.3	37.2	27.6	44.4
SD		9.62	9.10	8.10	7.39	6.96	6.43	5.37	6.02	7.97	8.55	8.48	9.48	16.74
TOTAL OBS		1456	1327	1426	1350	1395	1350	1395	1432	1409	1456	1407	1457	16860

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE	90							.1						.0
GE	85						.4	3.2	1.7	.5				.5
GE	80					.4	8.9	24.3	17.0	4.4	.1			4.6
GE	75				.3	3.7	30.2	57.7	47.8	16.9	1.4	.1		13.1
GE	70			.2	2.4	15.3	58.6	87.4	77.9	35.3	5.4	.4		23.5
GE	65			1.3	7.0	34.2	81.1	98.6	95.3	61.5	15.4	2.2	.1	32.9
GE	60	.2	.3	3.4	16.5	60.6	95.8	100.0	99.7	84.1	34.7	6.6	.7	41.7
GE	55	1.2	1.4	8.7	32.0	82.3	99.6		100.0	95.7	57.3	16.6	2.3	49.6
GE	50	3.6	5.7	18.4	57.1	96.1	100.0			99.1	79.5	33.8	7.1	58.2
GE	45	8.8	12.2	32.5	80.0	99.6				100.0	94.2	55.9	16.9	66.5
GE	40	20.9	25.8	56.9	94.6	100.0					98.7	78.0	32.7	75.5
GE	35	38.0	46.0	79.2	98.7						100.0	92.7	52.5	83.8
GE	33	47.1	55.8	86.1	99.6							95.8	62.4	87.1
GE	30	59.5	68.1	92.6	99.9							98.3	73.9	91.0
GE	25	76.2	84.8	97.7	100.0							99.8	86.6	95.4
GE	20	89.1	94.4	99.3								100.0	95.1	98.1
GE	15	95.5	98.5	100.0									98.9	99.4
GE	10	99.0	99.3										99.8	99.8
GE	5	99.9	100.0										100.0	100.0
GE	0	100.0												100.0
MEAN		31.6	33.8	41.5	51.4	61.6	70.8	75.5	74.0	66.9	56.3	46.2	35.4	53.7
SD		9.73	9.31	9.04	8.11	7.27	6.47	5.07	5.51	7.37	7.92	8.47	9.52	17.36
TOTAL OBS		1456	1327	1426	1350	1395	1350	1395	1432	1409	1456	1407	1457	16860

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							*	89*	89	81	73	60	89*
43	58	68	70	76	89	97	92	93	94	82	70	56	97
44	64	61	67	76	90	92	96	97	91	85	71	54	97
45	58	59	87	84	88	96	96	92	89	81	78	58	96
46	69	67	79										79*
48								98*	88	76	80	60	98*
49	69	74	77	83	88	96	98	97	84	85	72	64	98
50	74	52	68	79	84	93	94	92	87	83	82	68	94
51	66	65	64	83	88	89	93	93	87	84	70	71	93
52	62	53	68	84	84	99	96	88	92	82	69	60	99
53	63	68	69	85	89	93	100	99	100	81	72	65	100
54	62	74	72	84	84	92	100	90	90	85	69	63	100
55	53	64	71	81	92	91	100	100	84	83	72	55	100
56	53	61	64	84	89	97	93	92	90	82	73	69	97
57	64	64	73	88	90	96	99	93	93	76	70	61	99
58	56	52	53	83	86	90	92	89	88	83	65	56	92
59	63	58	73	85	90	96	92	93	92	88	78	59	96
60	59	66	78	90	83	89	91	92	87	80	70	65	92
61	56	69	76	84	85	94	91	89	92	79	82	59	94
62	60	63	78	87	93	89	90	89	88	83	60	65	93
63	56	50	78	85	93	96	93	87	86	82	71	55	96
64	56	52	74	83	91	95	93	91	91	78	73	69	95
65	59	62	61	78	93	93	90	89	92	77	71	65	93
66	59	60	70	75	84	93	101	93	93	79	72	75	101
67	71	65	71	83	81	96	93	88	83	85	70	63	96
68	55	51	80	80	83	95	97	94	88	87	74	59	97
69	49	42	69	86	94	96	95	93	93	84	70	62	96
70	55	58	67	82	90	90	93	90	93	82	67	64	93
71	59	65	72	77	88	90	93	91	89	81	81	70	93
72	64	67	78	83	84	87	94	93	91	73	68	63	94
73	64	61	72	86	81	90	91	97	94	80	76	64	97
74	68	65	75	86	91	93	93	89	88	79	82	62	93
75	67	62	65	75	88	90	90	96	81	84	78	69	96

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	67	71	79	93	82	92	86	93	87	76	66	58	93
77	44	68	85	87	90	88	97	92	90	75	72	56	97
78	61	42	70	82	89	92	95	91	85	81	70	69	95
79	62	52	79	73	88	83	90	91	85	86	74	65	91
80	57	56	66	78	90	95	102	97	100	78	68	66	102
81	50	68	75	82	90	92	93	89	89	76	71	62	93
82	61	61	66	77	85	89	95	90	87	82	81	74	95
83	57	57	70	89	82	97	99	97	100	84	68	63	100
84	55	63	61	73	87	95	91	88	90	84	67	72	95
85	60	73	78	91	87	87	94	96	92	86	74	56	96
86	63	52	81	73	93	95	98	91	90	87	74	59	98
87	56	49	76	76	91	94	99	94	85	74	78	67	99
88	62	70	77	73	89	100	100	98	84	81	71	66	100
89	61	68	82	76	85	94	93	93	95	85	74	56	95
90	66	66	83	94	83	92	97	93	88	86	78	68	97
91	59	69											69*
GREATEST	74	74	87	94	94	100	102	100	100	88	82	75	102
TOTAL OBS	1456	1327	1426	1350	1395	1350	1395	1432	1409	1456	1407	1457	16860

THE GREATEST VALUE OF 102 OCCURRED ON 07/21/80

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							*	49*	36	31	23	-1	-1*
43	12	2	6	23	36	55	52	54	43	34	23	10	2
44	6	10	12	25	43	44	52	47	41	30	24	7	6
45	0	4	24	30	38	42	50	52	46	31	22	6	0
46	10	11	23										10*
48								56*	42	31	28	8	8*
49	20	16	16	32	42	46	55	55	41	29	20	15	15
50	19	7	9	24	37	46	54	50	39	23	23	5	5
51	16	11	23	35	39	49	57	52	37	35	19	7	7
52	7	17	20	31	42	53	56	52	46	26	24	13	7
53	22	16	16	34	45	48	56	56	43	35	28	13	13
54	0	8	22	24	39	48	56	55	45	35	23	15	0
55	10	2	19	33	42	50	62	57	45	36	15	7	2
56	14	15	19	30	35	48	56	55	39	36	21	17	14
57	1	19	23	31	35	46	55	52	38	32	26	12	1
58	9	6	27	29	40	46	60	55	42	34	18	8	6
59	9	8	21	32	41	51	55	55	41	31	22	8	8
60	19	19	10	31	38	49	57	54	49	34	26	6	6
61	1	-4	17	31	41	50	54	53	39	30	26	13	-4
62	11	1	13	26	35	48	53	53	38	27	27	3	1
63	4	2	24	29	35	50	52	50	35	37	29	0	0
64	6	14	21	19	38	45	54	50	43	30	18	14	6
65	2	7	16	25	44	47	50	47	41	27	24	15	2
66	6	6	20	27	31	44	56	56	43	25	24	13	6
67	12	2	8	29	38	47	59	60	39	30	22	14	2
68	2	7	16	29	41	50	53	53	46	32	29	13	2
69	10	14	19	22	41	52	59	55	44	25	19	15	10
70	3	5	20	26	36	53	58	57	42	33	19	13	3
71	6	6	22	28	40	51	52	50	46	43	24	18	6
72	6	10	19	25	39	42	54	49	44	28	21	18	6
73	10	6	25	30	39	55	56	57	47	34	23	11	6
74	9	4	19	29	38	50	53	54	37	27	22	21	4
75	12	15	19	27	38	48	55	55	42	29	29	15	12

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	4	9	21	28	38	45	53	42	40	28	19	8	4
77	-1	9	23	23	38	46	51	52	45	35	27	12	-1
78	10	8	14	33	34	48	53	62	39	34	29	17	8
79	7	-2	20	29	41	47	53	49	43	32	27	19	-2
80	10	13	10	29	41	47	56	60	41	34	25	5	5
81	-1	11	20	31	37	52	54	53	45	34	26	15	-1
82	-4	18	20	20	44	52	55	44	47	31	23	13	-4
83	13	8	24	30	37	50	56	56	40	29	29	2	2
84	-8	13	9	30	38	45	56	52	41	36	23	22	-8
85	0	14	20	27	39	49	56	52	46	33	31	8	0
86	9	14	13	29	35	45	55	47	42	38	18	13	9
87	1	8	21	32	40	49	57	51	43	32	19	9	1
88	-3	9	17	32	36	46	49	52	45	25	28	5	-3
89	11	13	14	27	38	52	56	54	37	32	15	4	4
90	20	8	15	26	39	47	59	60	42	33	27	16	8
91	6	16											6*
LEAST	-8	-4	6	19	31	42	49	42	35	25	15	-1	-8
TOTAL OBS	1456	1327	1426	1350	1395	1350	1395	1432	1409	1456	1407	1457	16860

THE LEAST VALUE OF -8 OCCURRED ON 01/22/84

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42							*	69*	66	57	45	31	52*
43	31	33	40	46	62	75	75	74	65	53	43	31	53
44	33	33	37	48	66	70	77	74	67	54	44	31	53
45	24	32	50	55	59	70	73	71	69	54	45	30	53
46	34	33	48										38*
48								75*	66	54	50	36	55*
49	39	39	42	52	62	73	78	76	64	60	44	38	56
50	44	32	37	47	58	69	73	71	62	57	46	33	53
51	35	36	41	51	62	69	75	74	66	58	42	38	54
52	36	36	40	54	60	73	78	74	67	53	46	38	54
53	38	38	44	52	64	71	76	74	68	59	47	39	56
54	31	41	42	55	59	71	76	72	67	60	44	35	54
55	30	35	42	54	65	69	80	78	67	59	44	29	54
56	32	37	38	49	59	72	73	74	65	57	47	42	54
57	28	37	41	54	63	74	75	71	69	54	47	38	54
58	31	28	39	53	60	67	76	73	65	55	46	28	52
59	31	33	41	53	65	72	75	76	70	59	45	38	55
60	35	36	32	56	62	72	74	74	67	56	48	29	53
61	26	35	42	49	59	70	75	74	72	58	48	34	54
62	33	32	41	51	62	69	70	71	62	56	42	31	52
63	30	28	43	52	61	70	74	70	62	59	49	28	52
64	33	31	43	49	63	70	74	70	66	54	47	37	53
65	29	34	38	48	64	68	73	72	68	54	44	37	53
66	30	33	41	46	58	70	77	76	66	55	49	38	53
67	38	32	38	51	56	74	77	73	64	54	42	39	53
68	28	30	44	54	60	70	76	75	70	57	47	34	54
69	30	32	39	54	62	74	76	77	70	57	45	34	54
70	25	33	37	50	63	71	75	74	70	58	47	35	53
71	27	35	40	50	60	72	75	74	70	64	45	41	55
72	36	33	41	49	62	69	77	75	69	52	44	40	54
73	35	34	47	53	59	73	76	77	69	57	46	38	55
74	35	31	43	54	61	69	75	75	66	53	47	38	54
75	37	36	40	48	65	71	76	74	64	59	52	38	55

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: 4207-4603,4808-9102
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	29	41	45	54	59	72	72	73	64	52	42	29	53
77	20	33	46	53	64	69	76	74	69	54	47	34	53
78	30	25	38	52	61	70	72	76	65	55	48	37	53
79	33	24	46	50	62	67	74	74	68	56	50	40	54
80	32	30	41	55	66	71	79	79	70	54	43	32	54
81	25	37	41	55	62	71	75	72	67	55	47	36	54
82	25	36	41	49	64	69	76	72	66	56	49	41	54
83	34	35	44	51	61	72	79	77	69	57	49	35	55
84	26	39	36	49	59	73	74	74	64	60	45	42	53
85	28	35	44	56	64	67	75	74	69	59	50	32	55
86	33	31	42	50	63	73	77	74	69	60	45	37	55
87	31	31	46	53	65	74	79	74	68	53	48	39	55
88	27	35	43	50	62	70	78	77	65	51	48	35	54
89	36	34	41	50	61	73	75	74	68	57	45	25	53
90	41	40	45	52	60	71	76	75	66	61	49	42	57
91	34	39											37*
MEAN	31.6	33.8	41.5	51.4	61.6	70.8	75.5	74.0	66.9	56.3	46.2	35.4	53.7
TOTAL OBS	1456	1327	1426	1350	1395	1350	1395	1432	1409	1456	1407	1457	16860

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	28.8	10.839	930	4	592	0	0	0	930
03-05	27.8	10.860	930	7	601	0	0	0	930
06-08	27.3	10.984	930	12	603	0	0	0	930
09-11	32.3	10.636	929	3	413	0	0	0	929
12-14	36.6	10.835	930	1	291	4	0	0	930
15-17	36.2	10.639	930	1	304	1	0	0	930
18-20	32.3	10.195	930	3	455	0	0	0	930
21-23	30.2	10.553	930	3	543	0	0	0	930
ALL HOURS	31.4	11.159	7439	34	3802	5	0	0	7439

MONTH: FEB

00-02	32.4	9.704	846	0	478	2	0	0	846
03-05	31.2	10.089	846	0	511	0	0	0	846
06-08	31.0	10.124	846	0	490	0	0	0	846
09-11	36.3	10.075	846	0	304	1	0	0	846
12-14	40.5	10.510	846	0	194	21	0	0	846
15-17	40.7	9.911	846	0	171	18	0	0	846
18-20	36.3	9.144	844	0	302	2	0	0	844
21-23	33.9	9.153	843	0	411	0	0	0	843
ALL HOUPS	35.3	10.513	6763	0	2861	44	0	0	6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	37.5	9.736	930	0	278	7	0	0	930
03-05	36.1	9.977	930	0	346	3	0	0	930
06-08	37.0	10.158	930	0	318	7	0	0	930
09-11	44.3	11.011	930	0	117	51	1	0	930
12-14	48.9	11.888	930	0	52	108	10	0	930
15-17	49.2	11.607	930	0	40	95	14	0	930
18-20	43.9	10.164	930	0	90	42	0	0	930
21-23	40.0	9.535	930	0	183	17	0	0	930
ALL HOURS	42.1	11.597	7440	0	1424	330	25	0	7440

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	45.8	8.130	900	0	36	16	0	0	900
03-05	44.0	8.329	900	0	69	8	0	0	900
06-08	46.8	8.286	900	0	29	18	0	0	900
09-11	54.3	9.593	900	0	4	138	13	0	900
12-14	58.3	10.484	900	0	6	227	26	3	900
15-17	58.6	10.507	900	0	5	236	26	0	900
18-20	53.3	9.265	900	0	7	111	7	0	900
21-23	48.6	8.153	900	0	18	25	0	0	900
ALL HOURS	51.2	10.607	7200	0	174	779	72	3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	55.5	7.373	930	0	0	106	0	0	930
03-05	53.9	7.579	930	0	0	80	0	0	930
06-08	58.1	7.592	930	0	0	187	4	0	930
09-11	65.8	8.659	930	0	0	485	68	0	930
12-14	69.7	9.499	930	0	0	639	171	0	930
15-17	69.7	9.507	930	0	0	633	168	1	930
18-20	63.9	8.737	930	0	0	415	49	0	930
21-23	58.2	7.576	930	0	0	199	0	0	930
ALL HOURS	61.9	10.195	7440	0	0	2744	460	1	7440

MONTH: JUN

00-02	64.6	6.487	900	0	0	484	8	0	900
03-05	62.8	6.615	899	0	0	405	1	0	899
06-08	67.5	6.429	900	0	0	624	24	0	900
09-11	74.9	7.331	900	0	0	818	249	4	900
12-14	78.9	8.046	900	0	0	856	438	35	900
15-17	78.7	8.017	900	0	0	840	451	25	900
18-20	73.2	7.316	900	0	0	786	174	0	900
21-23	67.2	6.196	900	0	0	607	19	0	900
ALL HOURS	71.0	9.235	7199	0	0	5420	1364	64	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	69.9	5.511	930	0	0	779	31	0	930
03-05	68.4	5.714	930	0	0	706	4	0	930
06-08	72.1	5.557	930	0	0	831	79	0	930
09-11	79.7	6.026	930	0	0	923	485	10	930
12-14	83.7	6.685	930	0	0	925	676	79	930
15-17	83.3	6.722	930	0	0	927	677	78	930
18-20	78.1	6.079	930	0	0	918	382	10	930
21-23	72.4	5.225	930	0	0	864	84	0	930
ALL HOURS	76.0	8.161	7440	0	0	6873	2418	177	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	68.1	5.831	930	0	0	685	8	0	930
03-05	66.7	6.179	930	0	0	637	4	0	930
06-08	69.5	5.978	930	0	0	751	25	0	930
09-11	77.6	5.953	930	0	0	908	360	1	930
12-14	81.7	6.394	930	0	0	922	626	32	930
15-17	81.3	6.377	929	0	0	922	603	26	929
18-20	75.2	6.228	930	0	0	885	241	1	930
21-23	70.2	5.626	929	0	0	776	33	0	929
ALL HOURS	73.8	8.285	7438	0	0	6486	1900	60	7438

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	61.4	7.965	900	0	0	339	0	0	900
03-05	59.9	8.329	900	0	0	301	0	0	900
06-08	61.8	8.127	900	0	0	358	6	0	900
09-11	70.4	7.378	900	0	0	710	103	0	900
12-14	74.7	7.841	900	0	0	809	241	10	900
15-17	74.3	7.953	900	0	0	797	232	11	900
18-20	67.5	7.683	900	0	0	584	59	0	900
21-23	63.3	7.704	900	0	0	392	8	0	900
ALL HOURS	66.7	9.603	7200	0	0	3290	649	21	7200

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	51.5	9.458	930	0	9	98	0	0	930
03-05	50.1	9.828	930	0	17	76	0	0	930
06-08	51.3	9.507	930	0	12	95	0	0	930
09-11	60.3	8.510	930	0	0	291	13	0	930
12-14	64.9	8.995	930	0	0	491	59	0	930
15-17	63.9	8.783	930	0	0	447	42	0	930
18-20	56.8	8.565	930	0	0	187	1	0	930
21-23	53.3	9.059	930	0	0	124	0	0	930
ALL HOURS	56.5	10.649	7440	0	38	1809	115	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSEPVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	44.0	9.740	900	0	91	9	0	0	900
03-05	42.8	9.830	900	0	127	11	0	0	900
06-08	42.7	9.639	900	0	134	8	0	0	900
09-11	49.3	9.335	900	0	32	54	0	0	900
12-14	53.7	9.826	900	0	13	137	2	0	900
15-17	52.5	9.565	900	0	18	105	1	0	900
18-20	47.6	8.991	900	0	43	32	0	0	900
21-23	45.3	9.392	900	0	67	14	0	0	900
ALL HOURS	47.2	10.300	7200	0	525	370	3	0	7200

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	34.0	11.393	930	0	404	1	0	0	930
03-05	33.1	11.640	930	0	444	3	0	0	930
06-08	32.7	11.775	930	0	468	1	0	0	930
09-11	37.4	10.907	930	0	263	9	0	0	930
12-14	41.3	10.843	930	0	189	20	0	0	930
15-17	40.4	10.873	930	0	205	20	0	0	930
18-20	36.8	10.941	930	0	313	8	0	0	930
21-23	35.0	11.165	930	0	377	2	0	0	930
ALL HOURS	36.3	11.616	7440	0	2663	64	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	49.6	16.426	10956	4	1888	2526	47	0	10956
03-05	48.1	16.389	10955	7	2115	2230	9	0	10955
06-08	49.9	17.650	10956	12	2054	2880	138	0	10956
09-11	57.0	18.587	10955	3	1133	4388	1292	15	10955
12-14	61.2	18.793	10956	1	745	5159	2249	159	10956
15-17	60.8	18.715	10955	1	743	5041	2214	141	10955
18-20	55.5	17.811	10954	3	1210	3970	913	11	10954
21-23	51.5	16.593	10952	3	1599	3020	144	0	10952
ALL HOURS	54.2	18.294	87639	34	11487	29214	7006	326	87639

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	26.4	10.581	930	675	19	0	0	0	930
03-05	25.7	10.600	929	683	14	0	0	0	929
06-08	25.3	10.792	929	711	12	0	0	0	929
09-11	28.9	10.206	929	568	18	0	0	0	929
12-14	31.7	9.949	929	489	32	0	0	0	929
15-17	31.4	9.822	930	510	39	0	0	0	930
18-20	28.9	9.950	930	600	30	0	0	0	930
21-23	27.4	10.265	930	654	27	0	0	0	930
ALL HOURS	28.2	10.526	7436	4890	191	0	0	0	7436

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	29.6	9.678	846	556	33	0	0	0	846
03-05	28.6	9.954	846	579	30	0	0	0	846
06-08	28.5	10.003	846	582	23	0	0	0	846
09-11	32.1	9.651	846	459	35	0	0	0	846
12-14	34.6	9.417	846	371	63	0	0	0	846
15-17	34.7	8.959	846	367	52	0	0	0	846
18-20	32.0	8.943	844	489	36	0	0	0	844
21-23	30.6	9.175	843	525	31	0	0	0	843
ALL HOURS	31.3	9.782	6763	3928	303	0	0	0	6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	34.2	9.552	930	415	73	0	0	0	930
03-05	33.1	9.885	930	465	63	0	0	0	930
06-08	33.8	9.912	930	424	61	0	0	0	930
09-11	38.3	9.825	930	249	127	1	0	0	930
12-14	40.8	9.709	930	176	172	4	0	0	930
15-17	40.9	9.370	930	155	166	3	0	0	930
18-20	38.0	9.254	930	240	112	0	0	0	930
21-23	35.8	9.260	930	325	83	0	0	0	930
ALL HOURS	36.9	10.002	7440	2449	857	8	0	0	7440

MONTH: APR

00-02	42.0	8.000	900	105	166	0	0	0	900
03-05	40.8	8.244	900	154	138	0	0	0	900
06-08	42.8	8.070	900	90	185	0	0	0	900
09-11	47.0	8.304	900	23	313	10	3	0	900
12-14	48.9	8.282	900	13	386	15	1	0	900
15-17	48.9	8.133	900	12	382	14	0	0	900
18-20	46.2	8.048	900	22	290	3	0	0	900
21-23	43.8	7.947	900	58	217	0	0	0	900
ALL HOURS	45.0	8.668	7200	477	2077	42	4	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	51.9	7.634	930	3	576	11	0	0	930
03-05	50.8	7.977	930	5	527	9	0	0	930
06-08	53.6	7.698	930	2	637	41	5	0	930
09-11	57.4	7.828	930	0	761	137	17	1	930
12-14	58.8	7.802	930	0	801	172	23	0	930
15-17	58.6	7.691	930	0	800	158	26	0	930
18-20	56.0	7.573	930	0	728	84	12	0	930
21-23	53.4	7.497	930	2	637	29	3	0	930
ALL HOURS	55.1	8.239	7440	12	5467	641	86	1	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	60.3	6.741	900	0	839	189	12	0	900
03-05	59.4	6.907	899	0	810	162	7	0	899
06-08	62.3	6.481	900	0	876	285	36	0	900
09-11	65.5	6.669	900	0	896	428	165	0	900
12-14	66.5	6.428	900	0	900	465	197	2	900
15-17	66.2	6.054	900	0	899	457	153	0	900
18-20	64.2	6.123	900	0	895	353	63	0	900
21-23	61.8	6.239	900	0	874	232	23	0	900
ALL HOURS	63.3	6.974	7199	0	6989	2571	656	2	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	66.3	5.538	929	0	925	511	123	0	929
03-05	65.4	5.911	930	0	924	474	90	0	930
06-08	67.7	5.372	930	0	929	585	190	2	930
09-11	70.7	5.103	930	0	930	744	370	27	930
12-14	71.7	5.131	930	0	930	768	439	55	930
15-17	71.5	4.946	929	0	929	763	424	36	929
18-20	69.8	5.080	930	0	930	682	306	18	930
21-23	67.6	5.105	930	0	930	573	174	4	930
ALL HOURS	68.9	5.711	7438	0	7427	5100	2116	142	7438

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	64.8	6.332	930	0	913	409	87	0	930
03-05	63.8	6.610	930	0	909	363	64	0	930
06-08	65.5	6.237	930	0	918	464	124	0	930
09-11	69.0	5.571	930	0	929	640	298	5	930
12-14	70.0	5.541	930	0	930	679	358	13	930
15-17	69.5	5.352	928	0	928	657	338	4	928
18-20	67.7	5.729	930	0	928	565	223	2	930
21-23	65.8	6.023	929	0	917	479	125	1	929
ALL HOURS	67.0	6.349	7437	0	7372	4256	1617	25	7437

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	58.1	8.221	900	0	738	159	25	0	900
03-05	57.0	8.585	900	0	703	130	10	0	900
06-08	58.4	8.346	900	0	758	176	24	0	900
09-11	62.7	7.278	900	0	860	303	80	0	900
12-14	64.1	7.283	900	0	873	364	122	1	900
15-17	63.8	7.154	900	0	878	345	119	0	900
18-20	61.4	7.549	900	0	833	259	59	0	900
21-23	59.3	7.944	900	0	771	198	33	0	900
ALL HOURS	60.6	8.226	7200	0	6414	1934	472	1	7200

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	48.3	9.643	930	23	391	28	6	0	930
03-05	47.3	9.939	930	43	379	21	6	0	930
06-08	48.1	9.697	930	33	388	32	0	0	930
09-11	53.3	8.654	930	0	571	79	9	0	930
12-14	55.1	8.492	930	0	649	113	18	0	930
15-17	54.5	8.487	930	0	626	112	15	0	930
18-20	51.4	8.911	930	3	491	55	3	0	930
21-23	49.4	9.337	930	14	417	38	3	0	930
ALL HOURS	50.9	9.597	7440	116	3912	478	60	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	40.5	9.958	899	202	186	2	0	0	899
03-05	39.6	9.986	900	236	163	0	0	0	900
06-08	39.6	9.794	900	232	155	1	0	0	900
09-11	44.0	9.286	900	76	233	6	0	0	900
12-14	46.1	9.195	900	43	302	13	0	0	900
15-17	45.2	9.086	898	54	271	7	0	0	898
18-20	42.6	9.356	899	99	195	6	0	0	899
21-23	41.2	9.670	900	162	187	4	0	0	900
ALL HOURS	42.3	9.830	7196	1104	1692	39	0	0	7196

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	31.3	11.306	930	541	76	0	0	0	930
03-05	30.7	11.518	930	569	68	0	0	0	930
06-08	30.3	11.596	930	580	63	0	0	0	930
09-11	33.6	10.767	930	448	78	1	0	0	930
12-14	35.9	10.423	930	348	99	4	0	0	930
15-17	35.4	10.547	930	377	87	2	0	0	930
18-20	33.2	10.846	930	480	72	0	0	0	930
21-23	32.0	11.075	929	517	81	0	0	0	929
ALL HOURS	32.8	11.168	7439	3860	624	7	0	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	46.2	16.186	10954	2520	4935	1309	253	0	10954
03-05	45.3	16.262	10954	2734	4728	1159	177	0	10954
06-08	46.4	16.999	10955	2654	5005	1584	379	2	10955
09-11	50.3	16.683	10955	1823	5751	2349	942	33	10955
12-14	52.1	16.083	10955	1440	6137	2597	1158	71	10955
15-17	51.8	15.980	10951	1475	6057	2518	1075	40	10951
18-20	49.4	16.240	10953	1933	5540	2007	666	20	10953
21-23	47.4	16.104	10951	2257	5172	1553	361	5	10951
ALL HOURS	48.6	16.506	87628	16836	43325	15076	5011	171	87628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	20.2	13.561	930	649	88	926	0	930
03-05	19.7	13.534	929	645	96	929	0	929
06-08	19.5	13.692	929	653	87	929	0	929
09-11	21.4	13.541	929	613	101	929	0	929
12-14	21.8	13.643	929	615	114	922	0	929
15-17	21.5	13.612	930	637	116	922	0	930
18-20	21.0	13.307	930	653	99	926	0	930
21-23	20.5	13.363	930	647	89	925	0	930
ALL HOURS	20.7	13.572	7436	5112	790	7408	0	7436

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	23.3	12.678	846	541	119	843	0	846
03-05	22.7	12.720	846	567	122	841	0	846
06-08	22.6	12.817	846	551	125	841	0	846
09-11	23.6	13.143	846	514	151	841	0	846
12-14	24.1	13.066	846	516	148	840	0	846
15-17	23.9	13.017	846	514	142	841	0	846
18-20	23.7	12.519	844	527	140	838	0	846
21-23	23.6	12.423	843	528	128	837	0	846
ALL HOURS	23.4	12.820	6763	4258	1075	6722	0	6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	28.0	12.667	930	440	227	917	0	930
03-05	27.5	12.830	930	469	228	916	0	930
06-08	27.7	12.855	930	464	237	918	0	930
09-11	29.0	13.261	930	423	271	913	0	930
12-14	29.1	13.322	930	422	273	904	0	930
15-17	29.0	13.213	930	413	256	908	0	930
18-20	28.8	12.887	930	419	241	912	0	930
21-23	28.7	12.562	930	415	236	911	0	930
ALL HOURS	28.5	12.980	7440	3465	1969	7299	0	7440

MONTH: APR

00-02	36.9	10.242	900	161	447	873	0	900
03-05	36.4	10.213	900	193	443	875	0	900
06-08	37.7	10.427	900	164	496	863	0	900
09-11	38.6	11.445	900	162	494	831	3	900
12-14	38.5	11.480	900	166	477	824	3	900
15-17	38.1	11.681	900	177	487	821	2	900
18-20	37.8	11.453	900	180	475	838	2	900
21-23	37.8	10.855	900	151	480	864	0	900
ALL HOURS	37.7	11.034	7200	1354	3799	6789	10	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	48.4	9.489	930	14	824	696	14	930
03-05	47.9	9.719	930	17	811	700	12	930
06-08	49.6	9.787	930	11	832	662	38	930
09-11	50.3	10.701	930	12	825	608	79	930
12-14	49.9	10.952	930	20	807	600	76	930
15-17	49.5	10.962	930	23	792	622	65	930
18-20	49.2	10.303	930	22	812	657	58	930
21-23	48.9	9.608	930	20	830	682	31	930
ALL HOURS	49.2	10.248	7440	139	6533	5227	373	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	57.3	8.091	900	0	897	377	200	900
03-05	56.8	8.132	899	0	896	386	204	900
06-08	58.7	8.116	900	0	897	314	269	900
09-11	59.5	8.999	900	0	897	314	334	900
12-14	58.8	8.942	900	0	895	323	307	900
15-17	58.4	8.573	900	0	896	324	272	900
18-20	58.2	8.322	900	0	898	352	262	900
21-23	58.0	7.980	900	0	896	347	231	900
ALL HOURS	58.2	8.465	7199	0	7172	2737	2079	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	64.2	6.443	929	0	929	87	509	929
03-05	63.6	6.770	930	0	930	128	499	930
06-08	65.3	6.367	930	0	930	79	556	930
09-11	66.0	6.765	930	0	930	76	594	930
12-14	65.5	7.065	930	0	930	102	563	930
15-17	65.4	6.988	929	0	929	89	567	929
18-20	65.4	6.634	930	0	930	79	569	930
21-23	64.9	6.131	930	0	930	64	539	930
ALL HOURS	65.0	6.733	7438	0	7438	704	4396	7438

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	62.6	7.415	930	0	926	165	428	930
03-05	61.9	7.528	930	0	927	199	399	930
06-08	63.1	7.254	930	0	930	148	454	930
09-11	64.3	7.299	930	0	930	120	501	930
12-14	63.4	7.712	930	0	930	161	484	930
15-17	62.9	7.802	928	0	928	172	458	930
18-20	63.3	7.381	930	0	930	149	485	930
21-23	63.0	7.256	929	0	926	156	447	930
ALL HOURS	63.1	7.514	7437	0	7427	1270	3656	7437

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	55.6	9.492	900	0	878	433	172	900
03-05	54.8	9.728	900	2	874	458	158	900
06-08	55.8	9.638	900	1	876	427	195	900
09-11	57.4	9.620	900	0	873	356	245	900
12-14	56.8	10.037	900	0	865	379	227	900
15-17	56.6	9.849	900	0	868	382	224	900
18-20	57.0	9.359	900	0	874	362	223	900
21-23	56.4	9.308	900	0	876	389	204	900
ALL HOURS	56.3	9.679	7200	3	6984	3186	1648	7200

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	44.8	11.038	930	32	679	753	36	930
03-05	44.1	11.215	930	42	654	770	33	930
06-08	44.7	11.069	930	28	685	762	41	930
09-11	46.8	11.318	930	30	745	701	69	930
12-14	46.1	11.734	930	40	711	713	68	930
15-17	45.8	11.826	930	51	715	705	64	930
18-20	46.0	11.173	930	31	741	713	57	930
21-23	45.3	11.092	930	38	708	740	46	930
ALL HOURS	45.5	11.355	7440	292	5638	5857	414	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	35.5	12.342	899	252	387	836	5	899
03-05	35.0	12.139	900	267	375	852	3	900
06-08	35.1	11.909	900	270	368	849	3	900
09-11	37.3	12.186	900	209	456	831	6	900
12-14	36.9	12.631	900	222	447	832	11	900
15-17	36.2	12.478	898	239	429	841	10	898
18-20	35.8	12.573	899	233	395	832	10	899
21-23	35.4	12.418	900	251	379	835	8	900
ALL HOURS	35.9	12.377	7196	1943	3236	6708	56	7196

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	25.8	13.731	930	536	175	899	0	930
03-05	25.4	13.799	930	560	187	904	1	930
06-08	25.2	13.745	930	563	174	910	0	930
09-11	26.5	13.732	930	522	209	908	1	930
12-14	26.8	13.941	930	517	223	908	4	930
15-17	26.6	14.106	930	529	225	904	2	930
18-20	26.2	13.890	930	537	204	900	0	930
21-23	26.0	13.774	929	534	183	900	0	930
ALL HOURS	26.1	13.861	7439	4298	1580	7233	8	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	42.0	18.622	10954	2625	6576	7805	1364	10954
03-05	41.4	18.610	10954	2762	6543	7958	1309	10954
06-08	42.2	19.123	10955	2705	6637	7702	1556	10955
09-11	43.5	19.163	10955	2485	6882	7428	1832	10955
12-14	43.2	18.972	10955	2518	6820	7508	1743	10955
15-17	42.9	18.916	10951	2583	6783	7531	1664	10951
18-20	42.8	18.884	10953	2602	6739	7558	1666	10953
21-23	42.5	18.701	10951	2584	6661	7650	1506	10951
ALL HOURS	42.6	18.885	87628	20864	53641	61140	12640	87628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC + 5 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.5	96.2	84.9	68.7	50.3	31.4	14.4	69.2	930
03-05	100.0	100.0	99.7	96.3	86.8	70.9	53.9	33.9	17.0	70.6	929
06-08	100.0	100.0	99.4	96.7	88.2	73.6	57.2	34.3	16.3	71.3	929
09-11	100.0	100.0	98.9	91.2	73.0	53.9	37.4	22.2	12.1	63.6	929
12-14	100.0	99.9	94.0	75.0	50.4	34.0	25.3	17.2	9.1	55.3	929
15-17	100.0	99.8	94.0	76.5	51.0	33.2	24.3	19.1	10.5	55.4	930
18-20	100.0	100.0	98.6	91.0	73.4	48.2	32.3	20.8	10.9	62.3	930
21-23	100.0	100.0	99.1	94.8	81.4	61.6	40.4	24.6	13.5	66.3	930
ALL HOURS	100.0	100.0	97.9	89.7	73.6	55.5	40.1	25.4	13.0	64.2	7436

MONTH: FEB

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.8	95.6	82.6	65.1	48.5	30.4	12.8	68.3	846
03-05	100.0	100.0	99.9	97.8	86.1	67.5	50.8	31.9	13.1	69.6	846
06-08	100.0	100.0	100.0	98.0	87.4	69.0	50.0	31.4	13.2	69.7	846
09-11	100.0	99.9	97.9	84.4	62.4	44.3	31.2	21.7	10.0	59.9	846
12-14	100.0	99.8	90.1	68.1	43.7	31.9	24.1	17.1	7.3	52.9	846
15-17	100.0	99.8	86.8	65.7	41.8	32.7	24.2	17.4	7.0	52.3	846
18-20	100.0	100.0	97.7	85.1	62.7	44.4	32.8	23.2	10.1	60.2	844
21-23	100.0	100.0	99.9	93.6	77.2	56.5	40.8	25.5	11.2	65.2	843
ALL HOURS	100.0	99.9	96.5	86.0	68.0	51.4	37.8	24.8	10.6	62.3	6763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.2	92.9	82.0	65.9	49.4	33.7	14.1	68.5	930
03-05	100.0	100.0	99.7	94.9	85.2	68.6	55.3	38.1	15.6	70.7	930
06-08	100.0	100.0	99.2	94.2	82.0	66.7	50.4	34.7	16.1	69.0	930
09-11	100.0	99.7	94.4	75.7	56.0	39.0	28.6	17.8	7.5	56.5	930
12-14	100.0	98.4	82.0	55.7	37.6	28.4	18.5	14.1	8.0	48.9	930
15-17	100.0	96.3	78.1	54.4	39.4	28.0	19.7	14.1	8.1	48.6	930
18-20	100.0	99.1	92.4	76.8	55.6	41.4	28.6	16.7	10.1	56.7	930
21-23	100.0	100.0	97.6	91.1	74.4	56.0	40.3	25.3	12.7	64.5	930
ALL HOURS	100.0	99.2	92.8	79.5	64.0	49.2	36.3	24.3	11.5	60.4	7440

MONTH: APR

00-02	100.0	100.0	99.8	97.0	89.2	76.8	58.1	38.2	15.2	72.1	900
03-05	100.0	100.0	99.9	98.4	93.3	84.1	66.3	45.0	19.1	75.2	900
06-08	100.0	100.0	99.3	96.8	87.8	76.1	57.2	39.8	18.1	72.0	900
09-11	100.0	99.6	95.2	77.6	60.0	43.0	30.3	21.3	7.8	58.0	900
12-14	100.0	99.6	84.0	62.6	43.7	32.9	22.8	14.2	6.0	51.1	900
15-17	100.0	99.1	78.9	59.0	44.2	33.2	22.3	15.7	6.3	50.4	900
18-20	100.0	99.3	92.9	74.9	60.7	46.3	33.8	21.7	9.4	58.7	900
21-23	100.0	99.8	99.0	92.1	80.2	66.6	50.2	32.9	12.9	68.1	900
ALL HOURS	100.0	99.7	93.6	82.3	69.9	57.4	42.6	28.6	11.9	63.2	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	99.2	97.1	88.0	72.6	51.4	25.8	78.1	930
03-05	100.0	100.0	100.0	99.8	98.2	93.4	79.4	61.6	32.8	81.0	930
06-08	100.0	100.0	100.0	99.1	93.7	80.0	62.8	43.5	22.5	74.7	930
09-11	100.0	100.0	99.1	85.2	65.7	46.8	30.5	17.5	8.4	59.7	930
12-14	100.0	100.0	92.7	68.7	47.2	31.6	20.1	12.6	6.8	52.4	930
15-17	100.0	100.0	90.3	67.3	46.7	31.7	20.0	13.1	6.9	51.9	930
18-20	100.0	100.0	97.2	86.5	69.5	52.7	33.2	20.8	10.5	61.5	930
21-23	100.0	100.0	100.0	98.2	90.6	78.3	58.0	39.7	18.0	72.9	930
ALL HOURS	100.0	100.0	97.4	88.0	76.1	62.8	47.1	32.5	16.5	66.5	7440

MONTH: JUN

00-02	100.0	100.0	100.0	99.8	97.7	91.7	74.7	49.3	25.6	78.3	900
03-05	100.0	100.0	100.0	100.0	99.6	95.8	83.0	61.3	30.6	81.5	899
06-08	100.0	100.0	100.0	99.8	96.4	83.7	64.2	40.0	18.2	74.6	900
09-11	100.0	100.0	99.8	93.3	71.6	47.7	27.6	14.8	5.1	60.5	900
12-14	100.0	100.0	96.9	76.7	49.0	28.6	16.0	8.8	3.0	52.5	900
15-17	100.0	100.0	95.6	75.4	46.6	28.0	18.7	10.0	3.4	52.3	900
18-20	100.0	100.0	99.0	91.3	74.0	49.7	32.2	19.6	8.9	61.8	900
21-23	100.0	100.0	100.0	99.0	94.0	83.7	58.8	38.6	18.1	73.7	900
ALL HOURS	100.0	100.0	98.9	91.9	78.6	63.6	46.9	30.3	14.1	66.9	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.9	98.7	89.1	64.0	31.3	82.6	929
03-05	100.0	100.0	100.0	100.0	99.7	98.9	94.3	73.1	41.3	85.1	930
06-08	100.0	100.0	100.0	99.9	98.8	94.3	81.9	52.8	26.9	80.0	930
09-11	100.0	100.0	99.9	97.0	85.8	63.9	35.2	14.1	6.8	64.6	930
12-14	100.0	100.0	99.5	89.2	63.8	37.0	16.8	7.6	2.7	56.1	930
15-17	100.0	100.0	99.6	88.1	62.6	39.1	20.6	9.4	3.2	56.8	929
18-20	100.0	100.0	100.0	97.6	87.4	65.5	42.0	20.4	7.2	66.5	930
21-23	100.0	100.0	100.0	100.0	98.8	93.8	76.6	45.8	20.0	78.2	930
ALL HOURS	100.0	100.0	99.9	96.5	87.1	73.9	57.1	35.9	17.4	71.2	7438

MONTH: AUG

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.8	98.0	89.5	65.8	34.3	83.1	930
03-05	100.0	100.0	100.0	100.0	99.9	99.1	94.3	72.3	40.5	85.0	930
06-08	100.0	100.0	100.0	100.0	99.6	96.7	84.9	57.1	27.8	60.9	930
09-11	100.0	100.0	100.0	98.1	87.2	64.7	35.6	12.5	3.8	65.0	930
12-14	100.0	100.0	99.7	89.6	63.3	32.2	15.3	6.0	2.6	55.5	930
15-17	100.0	100.0	98.9	87.2	60.7	34.6	17.1	8.2	4.1	55.6	928
18-20	100.0	100.0	100.0	98.4	90.5	71.1	45.7	20.3	8.2	68.0	930
21-23	100.0	100.0	100.0	99.9	98.6	94.9	80.7	48.7	20.0	78.7	929
ALL HOURS	100.0	100.0	99.8	96.6	87.5	73.9	57.9	36.4	17.7	71.5	7437

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.1	96.2	87.9	62.4	28.8	81.7	900
03-05	100.0	100.0	100.0	100.0	99.9	97.6	91.6	70.6	35.8	83.7	900
06-08	100.0	100.0	100.0	100.0	99.6	95.8	84.4	61.7	28.4	81.2	900
09-11	100.0	100.0	100.0	97.2	85.1	60.4	37.3	16.8	5.4	64.7	900
12-14	100.0	100.0	98.9	86.2	59.7	34.4	18.6	8.6	4.2	55.5	900
15-17	100.0	100.0	99.3	85.6	59.2	35.9	18.2	10.2	4.7	55.9	900
18-20	100.0	100.0	100.0	98.8	93.0	78.6	53.6	25.6	9.1	70.4	900
21-23	100.0	100.0	100.0	99.8	98.7	94.2	81.3	51.6	20.6	78.8	900
ALL HOURS	100.0	100.0	99.8	95.9	86.8	74.1	59.1	38.4	17.1	71.5	7200

MONTH: OCT

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	99.7	98.5	94.4	77.1	51.4	19.7	78.4	930
03-05	100.0	100.0	100.0	99.9	99.1	95.1	82.5	57.7	20.4	80.2	930
06-08	100.0	100.0	100.0	99.6	99.0	93.5	77.5	53.8	18.4	78.7	930
09-11	100.0	100.0	99.6	94.8	78.2	54.8	31.6	17.0	5.1	62.6	930
12-14	100.0	100.0	96.6	76.8	47.8	28.8	15.6	9.1	3.7	52.5	930
15-17	100.0	100.0	96.6	77.8	52.3	32.6	18.6	10.6	4.7	53.9	930
18-20	100.0	100.0	99.9	98.3	91.2	72.5	44.9	21.7	8.1	68.2	930
21-23	100.0	100.0	100.0	99.5	98.3	89.4	67.6	39.4	13.9	75.0	930
ALL HOURS	100.0	100.0	99.1	93.3	83.1	70.1	51.9	32.6	11.7	68.7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	99.4	89.9	76.1	57.1	38.8	15.0	72.2	899
03-05	100.0	100.0	100.0	99.4	94.0	80.4	62.9	41.0	16.2	73.9	900
06-08	100.0	100.0	100.0	98.9	95.0	81.8	63.3	41.8	16.7	74.4	900
09-11	100.0	99.9	99.4	94.0	76.3	56.8	39.8	24.4	8.6	64.5	900
12-14	100.0	99.8	96.0	76.6	51.6	34.6	23.9	14.6	6.4	54.9	900
15-17	100.0	99.7	96.1	79.3	54.2	37.9	24.3	14.7	5.2	55.7	898
18-20	100.0	100.0	99.4	93.4	77.2	58.0	40.7	23.8	9.3	64.6	899
21-23	100.0	100.0	99.9	97.6	86.4	68.0	49.9	31.7	11.8	69.0	900
ALL HOURS	100.0	99.9	98.9	92.3	78.1	61.7	45.2	28.8	11.2	66.1	7196

MONTH: DEC

00-02	100.0	100.0	99.9	97.8	90.5	74.4	52.9	32.8	15.4	71.0	930
03-05	100.0	100.0	100.0	98.2	92.7	76.5	56.8	33.1	16.2	72.3	930
06-08	100.0	100.0	100.0	98.5	92.2	79.4	60.4	36.1	15.9	73.2	930
09-11	100.0	100.0	99.7	93.0	77.8	56.2	37.7	23.8	11.0	64.5	930
12-14	100.0	100.0	97.6	81.3	56.7	35.3	24.0	17.2	8.7	56.6	930
15-17	100.0	100.0	97.1	84.7	59.2	38.7	25.7	18.3	9.8	57.8	930
18-20	100.0	100.0	99.6	94.3	81.2	56.5	37.4	23.3	11.5	64.9	930
21-23	100.0	100.0	99.7	96.3	88.1	68.6	46.8	29.0	15.2	69.1	929
ALL HOURS	100.0	100.0	99.2	93.0	79.8	60.7	42.7	26.7	13.0	66.2	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.8	98.2	92.7	82.9	67.4	45.9	21.1	75.3	10954
03-05	100.0	100.0	99.9	98.7	94.6	85.8	72.7	51.8	25.0	77.4	10954
06-08	100.0	100.0	99.8	98.4	93.3	82.6	66.3	44.0	19.9	75.0	10955
09-11	100.0	99.9	98.7	90.2	73.3	52.7	33.6	18.6	7.6	62.0	10955
12-14	100.0	99.8	94.0	75.6	51.3	32.5	20.0	12.2	5.7	53.7	10955
15-17	100.0	99.6	92.6	75.2	51.6	33.8	21.1	13.4	6.2	53.9	10951
18-20	100.0	99.9	98.1	90.6	76.5	57.1	38.1	21.5	9.4	63.7	10953
21-23	100.0	100.0	99.6	96.8	89.0	76.1	57.7	36.1	15.7	71.7	10951
ALL HOURS	100.0	99.9	97.8	90.5	77.8	62.9	47.1	30.4	13.8	66.6	87628

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          FFFFFFFFFF
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          FFFFFFFFFF
PP      PP     AA    AA     RR      RR        TT              FF
PP      PP     AA    AA     RR      RR        TT              FF
PPPPPPPPP      AA    AA     RRRRRRRRR         TT              FFFFFF
PPPPPPPP       AAAAAAAAAA     RRRRRRRR        TT              FFFFFF
PP             AAAAAAAAAA     RR    RR        TT              FF
PP             AA    AA     RR     RR        TT              FF
PP             AA    AA     RR      RR       TT              FF
PP             AA    AA     RR       RR      TT              FF
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F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.
IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1018.4	1018.4	1017.3	1014.5	1015.2	1014.3	1015.8	1016.6	1018.5	1019.7	1018.2	1018.9	1017.1
	SD	10.334	9.333	9.397	8.047	5.690	5.153	4.544	4.540	5.872	7.099	8.973	8.982	7.787
	TOT OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
0400	MEAN	1018.5	1018.2	1016.9	1014.2	1015.0	1014.2	1015.7	1016.4	1018.3	1019.6	1018.1	1019.0	1017.0
	SD	10.219	9.499	9.596	8.148	5.869	5.224	4.598	4.604	6.013	7.066	8.889	8.911	7.846
	TOT OBS	310	282	310	300	310	300	310	310	300	309	299	310	3650
0700	MEAN	1019.1	1018.9	1017.8	1015.2	1016.0	1015.1	1016.5	1017.3	1019.2	1020.4	1018.8	1019.8	1017.8
	SD	10.164	9.599	9.769	8.358	5.864	5.340	4.618	4.637	6.256	7.173	8.922	8.832	7.895
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1000	MEAN	1019.8	1019.5	1018.1	1015.2	1016.0	1015.1	1016.6	1017.5	1019.4	1020.7	1019.3	1020.6	1018.2
	SD	10.178	9.779	10.009	8.466	5.861	5.391	4.712	4.653	6.578	7.321	8.936	8.854	8.043
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	309	3650
1300	MEAN	1017.9	1018.0	1016.7	1014.1	1015.1	1014.2	1015.8	1016.7	1018.3	1019.3	1017.6	1018.7	1016.9
	SD	10.232	9.751	9.840	8.229	5.865	5.349	4.712	4.652	6.138	7.270	8.743	8.697	7.877
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
1600	MEAN	1017.5	1017.3	1015.6	1013.1	1014.1	1013.4	1014.9	1015.8	1017.4	1018.7	1017.3	1018.5	1016.1
	SD	10.240	9.490	9.499	7.958	5.766	5.204	4.751	4.605	5.960	7.218	8.544	8.673	7.789
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1900	MEAN	1018.5	1018.3	1016.5	1013.7	1014.5	1013.7	1015.1	1016.1	1017.9	1019.6	1018.1	1019.3	1016.8
	SD	10.253	9.292	9.268	7.845	5.662	5.041	4.590	4.491	5.874	7.233	8.552	8.724	7.757
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2200	MEAN	1018.7	1018.8	1017.2	1014.6	1015.4	1014.6	1016.0	1016.9	1018.6	1020.1	1018.3	1019.4	1017.4
	SD	10.312	9.229	9.284	7.883	5.664	5.009	4.477	4.486	5.844	7.220	8.720	8.867	7.722
	TOT OBS	310	281	310	300	310	300	310	310	300	310	299	310	3650
ALL HOURS	MEAN	1018.6	1018.4	1017.0	1014.3	1015.2	1014.3	1015.8	1016.7	1018.4	1019.8	1018.2	1019.3	1017.2
	SD	10.263	9.518	9.614	8.147	5.815	5.247	4.660	4.617	6.101	7.225	8.806	8.841	7.863
	TOT OBS	2478	2254	2480	2400	2480	2400	2479	2480	2400	2479	2397	2478	29205

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5

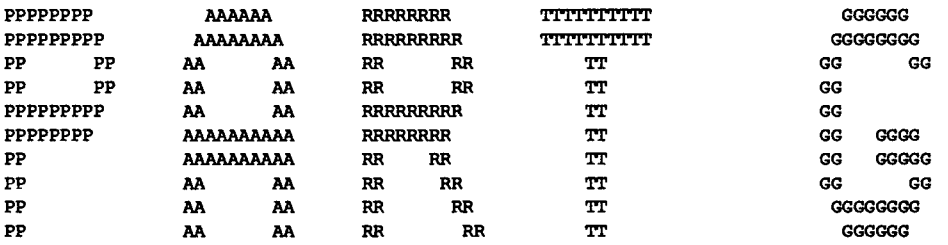
HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.07	30.07	30.04	29.96	29.98	29.96	30.00	30.02	30.08	30.11	30.07	30.09	30.04
	SD	.304	.274	.277	.237	.168	.152	.133	.133	.173	.209	.264	.264	.229
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
0400	MEAN	30.07	30.07	30.03	29.95	29.98	29.95	30.00	30.02	30.07	30.11	30.07	30.09	30.03
	SD	.300	.279	.282	.240	.171	.153	.135	.136	.177	.210	.262	.262	.231
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
0700	MEAN	30.09	30.09	30.05	29.98	30.00	29.98	30.02	30.04	30.10	30.13	30.09	30.11	30.06
	SD	.298	.282	.287	.246	.172	.157	.136	.136	.185	.211	.263	.260	.232
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
1000	MEAN	30.11	30.10	30.06	29.98	30.01	29.98	30.02	30.05	30.11	30.14	30.10	30.14	30.07
	SD	.299	.287	.295	.249	.173	.158	.138	.137	.194	.215	.265	.260	.237
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
1300	MEAN	30.05	30.06	30.02	29.95	29.98	29.95	30.00	30.02	30.07	30.10	30.05	30.08	30.03
	SD	.301	.287	.290	.242	.171	.157	.138	.137	.181	.214	.257	.256	.232
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1600	MEAN	30.04	30.04	29.99	29.92	29.95	29.93	29.97	30.00	30.05	30.08	30.04	30.07	30.01
	SD	.300	.279	.279	.234	.169	.153	.139	.135	.176	.213	.251	.255	.229
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1900	MEAN	30.07	30.07	30.02	29.93	29.96	29.94	29.98	30.01	30.06	30.11	30.06	30.10	30.03
	SD	.302	.273	.273	.230	.166	.149	.135	.132	.173	.212	.252	.257	.228
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2200	MEAN	30.08	30.08	30.04	29.96	29.99	29.96	30.00	30.03	30.08	30.12	30.07	30.10	30.04
	SD	.303	.272	.273	.232	.166	.148	.131	.132	.172	.212	.257	.261	.227
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	30.07	30.07	30.03	29.95	29.98	29.96	30.00	30.02	30.08	30.11	30.07	30.10	30.04
	SD	.302	.280	.283	.240	.171	.154	.137	.136	.180	.213	.260	.260	.231
	TOT OBS	2477	2253	2480	2400	2478	2400	2480	2480	2400	2480	2400	2480	29208

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.92	29.92	29.89	29.81	29.83	29.81	29.85	29.87	29.93	29.96	29.92	29.94	29.89
	SD	.304	.274	.277	.237	.168	.152	.133	.133	.173	.209	.264	.264	.229
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
0400	MEAN	29.92	29.92	29.88	29.80	29.83	29.80	29.85	29.87	29.92	29.96	29.92	29.94	29.88
	SD	.300	.279	.282	.240	.171	.153	.135	.136	.177	.210	.262	.262	.231
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
0700	MEAN	29.94	29.94	29.90	29.83	29.85	29.83	29.87	29.89	29.95	29.98	29.94	29.96	29.91
	SD	.298	.282	.287	.246	.172	.157	.136	.136	.185	.211	.263	.260	.232
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
1000	MEAN	29.96	29.95	29.91	29.83	29.86	29.83	29.87	29.90	29.96	29.99	29.95	29.99	29.92
	SD	.299	.287	.295	.249	.173	.158	.138	.137	.194	.215	.265	.260	.237
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
1300	MEAN	29.90	29.91	29.87	29.80	29.83	29.80	29.85	29.87	29.92	29.95	29.90	29.93	29.88
	SD	.301	.287	.290	.242	.171	.157	.138	.137	.181	.214	.257	.256	.232
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1600	MEAN	29.89	29.89	29.84	29.77	29.80	29.78	29.82	29.85	29.90	29.93	29.89	29.92	29.86
	SD	.300	.279	.279	.234	.169	.153	.139	.135	.176	.213	.251	.255	.229
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1900	MEAN	29.92	29.92	29.87	29.78	29.81	29.79	29.83	29.86	29.91	29.96	29.91	29.95	29.88
	SD	.302	.273	.273	.230	.166	.149	.135	.132	.173	.212	.252	.257	.228
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2200	MEAN	29.93	29.93	29.89	29.81	29.84	29.81	29.85	29.88	29.93	29.97	29.92	29.95	29.89
	SD	.303	.272	.273	.232	.166	.148	.131	.132	.172	.212	.257	.261	.227
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	29.92	29.92	29.88	29.80	29.83	29.81	29.85	29.87	29.93	29.96	29.92	29.95	29.89
	SD	.302	.280	.283	.240	.171	.154	.137	.136	.180	.213	.260	.260	.231
	TOT OBS	2477	2253	2480	2400	2478	2400	2480	2480	2400	2480	2400	2480	29208


PPPPPPPP AAAAAA RRRRRRRR TTTTTTTTTT GGGGGG
PPPPPPPPP AAAAAAAA RRRRRRRRR TTTTTTTTTT GGGGGGGG
PP PP AA AA RR RR TT GG GG
PP PP AA AA RR RR TT GG
PPPPPPPPP AA AA RRRRRRRRR TT GG
PPPPPPPP AAAAAAAAAA RRRRRRRR TT GG GGGG
PP AAAAAAAAAA RR RR TT GG GGGGG
PP AA AA RR RR TT GG GG
PP AA AA RR RR TT GGGGGGGG
PP AA AA RR RR TT GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	12.0	.1		930	11.4	.3		930	13.5	.4		930	22.9	1.0		930
CATEGORY B	14.4	3.2	.7	1073	14.7	3.5	1.3	1119	14.8	4.2	1.1	1146	25.0	6.8	2.4	1166

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	27.8	1.4	.1	930	22.6	1.4		930	13.8	.6		930	15.4	.9		930
CATEGORY B	29.9	8.9	3.6	1143	24.0	7.8	2.4	1118	16.2	4.6	1.2	1084	17.9	4.3	1.4	1085

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	20.1	1.0	.0	4650	17.4	.8	.0	7440
CATEGORY B	22.1	6.5	2.2	5657	19.7	5.4	1.8	8934

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	12.1	.5		846	12.1	.6		846	11.5	.7	.1	846	22.7	1.2		846
CATEGORY B	15.0	4.1	1.0	1001	13.0	3.5	.8	999	13.0	5.1	1.2	1089	27.8	7.5	2.8	1086

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	26.7	1.7	.4	846	23.9	1.4	.2	846	11.3	.8		844	11.9	.4		843
CATEGORY B	32.1	9.3	3.3	1029	27.1	7.2	2.8	1007	13.5	4.6	1.8	990	13.5	4.3	1.4	999

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	19.2	1.2	.1	4228	16.5	.9	.1	6763
CATEGORY B	22.7	6.7	2.4	5201	19.5	5.7	1.9	8200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	10.6	.2		930	11.5	.2		930	12.7	.3		930	23.5	.9	.1	930
CATEGORY B	14.8	4.2	1.7	1073	15.6	3.5	1.3	1128	14.8	3.5	1.1	1195	31.1	7.4	2.2	1143

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	28.2	1.7	.2	930	26.8	1.1	.1	930	13.3	.5		930	10.4	.6	.2	930
CATEGORY B	36.8	10.5	3.9	1140	33.0	9.9	4.4	1133	18.7	5.7	2.0	1092	15.8	4.7	1.6	1088

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	20.9	.9	.1	4650	17.1	.7	.1	7440
CATEGORY B	26.8	7.4	2.7	5703	22.7	6.2	2.3	8992

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	9.0	.3		900	6.7	.1		900	11.9	.2		900	21.0	.6	.1	900
CATEGORY B	12.2	3.3	1.3	1109	9.9	2.5	.8	1170	16.7	3.0	.7	1165	27.3	6.6	2.1	1121

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	27.1	1.4	.1	900	27.4	1.1	.2	900	11.7	.7	.1	900	9.1	.2	.1	900
CATEGORY B	36.6	10.2	3.7	1105	35.5	9.2	2.6	1100	17.3	3.6	1.7	1088	12.4	3.3	1.4	1103

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	19.8	.8	.1	4500	15.5	.6	.1	7200
CATEGORY B	26.6	6.5	2.1	5579	20.9	5.2	1.8	8961

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	1.5			930	1.4			930	4.7			929	10.3	.1		930
CATEGORY B	2.9	.9	.1	1176	3.1			1216	6.6	.6	.1	1271	16.3	1.9	.1	1135

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	11.7			930	12.5	.2		930	4.2			930	1.8			930
CATEGORY B	19.1	2.8	.5	1132	18.2	2.5	.6	1151	8.4	1.3	.5	1157	4.9	1.0	.1	1128

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	8.7	.1		4649	6.0	.0		7439
CATEGORY B	13.5	1.8	.4	5846	9.8	1.4	.2	9366

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	1.2			900	.9			900	2.8			900	8.0			900
CATEGORY B	2.9	.3	.1	1115	1.1	.2	.1	1227	3.7	.5		1129	11.5	1.8	.2	1043

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	10.8			900	8.7	.1		900	2.4			900	.8			900
CATEGORY B	16.7	2.1	.5	1043	12.6	2.0	.7	1084	5.5	1.3	.9	1114	1.9	.3		1084

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	6.5	.0		4500	4.4	.0		7200
CATEGORY B	9.9	1.5	.5	5413	6.8	1.0	.3	8839

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	.2			930	.3			930	1.4			930	3.9			930
CATEGORY B	1.0	.1	.1	1105	.6			1239	1.8	.1		1234	6.2	.6		1080

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	4.5			930	4.9			930	1.3			930	.3			930
CATEGORY B	10.0	1.4	.6	1078	9.2	1.2	.4	1114	4.0	.5	.1	1104	1.4			1077

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	3.2			4650	2.1			7440
CATEGORY B	6.1	.7	.2	5610	4.2	.5	.1	9031

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	.6			930	.3			930	.5			930	2.9			930
CATEGORY B	1.4	.1		1140	1.0	.1		1260	.7			1267	4.5	.1	.1	1102

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	6.1			930	5.4			930	1.0			930	.1			930
CATEGORY B	8.3	.8		1077	7.2	1.7	.2	1074	2.0	.7	.3	1059	.7			1063

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	3.2			4650	2.1			7440
CATEGORY B	4.4	.6	.1	5579	3.1	.4	.1	9042

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	1.1			900	1.1			900	2.0			900	5.4	.2	.1	900
CATEGORY B	2.2	.1		1060	1.6	.3	.2	1154	2.3	.5	.1	1197	8.9	1.5	.8	1072

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	8.1	.1	.1	900	7.6			900	1.2			900	1.4			900
CATEGORY B	13.0	1.7	.8	1002	10.2	1.3	.4	1033	3.1	.6	.2	1017	2.6			1026

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	4.9	.1	.0	4500	3.5	.0	.0	7200
CATEGORY B	7.3	1.1	.5	5321	5.4	.7	.3	8561

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	2.7			930	2.0			930	3.8			930	15.3	.2		930
CATEGORY B	3.4	.4	.1	1082	2.9	.4	.2	1137	4.9	.7	.2	1212	18.3	4.0	1.2	1090

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	15.5	.2		930	9.7	.1		930	3.5			930	3.1	.1		930
CATEGORY B	21.8	4.4	1.1	1042	15.1	3.1	.8	1048	6.4	1.2	.5	1052	4.4	.5	.3	1051

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	9.5	.1		4650	6.9	.1		7440
CATEGORY B	13.0	2.7	.7	5444	9.5	1.8	.5	8714

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	6.9	.8	.1	900	7.8	.2	.1	900	8.6	.6	.2	900	19.6	.4	.1	900
CATEGORY B	11.0	2.6	.9	1054	10.3	1.6	.8	1062	12.4	4.0	1.6	1150	23.3	6.6	2.6	1098

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	23.9	1.1	.1	900	18.1	.7	.2	900	10.3	.1		900	9.1	.8	.1	900
CATEGORY B	33.1	8.7	3.5	1071	24.1	5.2	1.9	1017	16.1	3.6	.6	1010	14.0	3.3	1.4	1068

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	16.1	.6	.1	4500	13.0	.6	.1	7200
CATEGORY B	21.7	5.6	2.0	5346	18.0	4.4	1.7	8530

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	11.7	.4		930	11.6	.4	.1	930	11.5	.6	.1	930	20.8	1.5		930
CATEGORY B	14.0	3.8	1.8	1076	14.1	4.3	2.3	1109	13.6	4.4	1.8	1175	24.4	7.6	3.6	1158

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	27.1	1.5	.3	930	20.3	1.2	.1	930	11.7	.9		930	12.4	.3		930
CATEGORY B	31.1	11.3	4.1	1113	23.7	8.3	3.4	1090	14.5	4.7	2.1	1077	14.6	4.8	1.7	1099

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	18.3	1.1	.1	4650	15.9	.9	.1	7440
CATEGORY B	21.4	7.3	3.0	5613	18.8	6.2	2.6	8897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: MAR 81 - FEB 91
LST TO UTC: + 5 MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	5.8	.2	.0	10956	5.6	.2	.0	10956	7.0	.2	.0	10955	14.6	.5	.0	10956
CATEGORY B	7.8	1.9	.6	13064	7.0	1.6	.6	13820	8.7	2.2	.6	14230	18.9	4.4	1.5	13294

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	18.1	.8	.1	10956	15.6	.6	.1	10956	7.1	.3	.0	10954	6.3	.3	.0	10953
CATEGORY B	24.2	6.1	2.2	12975	20.0	5.0	1.7	12969	10.5	2.7	1.0	12844	8.7	2.2	.8	12871

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE25	OBS	GE10	GE20	GE25	OBS
CATEGORY A	12.5	.5	.1	54777	10.0	.4	.0	87642
CATEGORY B	16.3	4.0	1.4	66312	13.1	3.2	1.1	106067

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          HH      HH
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          HH      HH
PP      PP     AA    AA     RR     RR        TT              HH      HH
PP      PP     AA    AA     RR     RR        TT              HH      HH
PPPPPPPPP      AA    AA     RRRRRRRRR       TT              HHHHHHHHHH
PPPPPPPP       AAAAAAAAAA     RRRRRRRR      TT              HHHHHHHHHH
PP             AAAAAAAAAA     RR    RR      TT              HH      HH
PP             AA    AA     RR     RR       TT              HH      HH
PP             AA    AA     RR      RR      TT              HH      HH
PP             AA    AA     RR       RR     TT              HH      HH
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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: JAN 49 - FEB 91
LST TO UTC: + 5

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1949	798	720	685	371	142	17			86	175	614	808	4416
1950	651	891	847	516	215	27		3	122	222	557	973	5024
1951	911	815	722	407	135	29		1	50	241	682	825	4818
1952	877	822	784	345	174	12		1	43	387	569	840	4854
1953	828	743	658	404	104	25			53	197	545	786	4343
1954	1057	673	720	323	189	17			47	248	610	912	4796
1955	1057	843	690	331	87	38		1	51	213	627	1096	5034
1956	1026	797	831	492	219	18	4	3	115	238	552	713	5008
1957	1123	771	722	363	137	19		1	68	332	533	818	4887
1958	1051	1034	792	362	182	40		1	65	329	551	1120	5527
1959	1036	892	748	348	114	20			49	261	599	835	4902
1960	934	829	997	292	117	4			21	281	507	1103	5085
1961	1192	824	698	484	197	14			38	229	530	934	5140
1962	937	904	737	419	162	17		7	123	279	687	1050	5372
1963	1071	1038	680	397	159	18	2	7	142	199	478	1140	5331
1964	982	989	684	484	139	40	1	16	63	352	525	861	5136
1965	1121	870	827	505	95	50		16	58	352	616	848	5358
1966	1087	902	724	554	236	37			67	296	470	835	5208
1967	932	927	828	434	287	4		2	93	341	671	812	5231
1968	1123	1008	640	319	171	14		1	9	266	542	964	5057
1969	1074	917	791	327	141	1			29	269	593	955	5097
1970	1240	898	848	440	129	5			42	242	531	920	5295
1971	1150	824	772	445	168	30		2	25	80	606	731	4833
1972	999	934	749	474	135	27	2		28	393	634	755	5030
1973	932	872	555	377	218	3			36	262	583	828	4666
1974	918	944	687	334	168	18			70	358	540	816	4853

1975	857	804	753	510	91	14		2	72	205	393	817	4518
1976	1114	687	611	372	198	33		13	95	384	675	1097	5279
1977	1371	880	583	372	107	30		1	30	330	524	948	5176
1978	1078	1109	810	393	157	12	4		88	304	498	851	5304
1979	966	1139	584	436	111	****	6	11	26	303	446	772	4800
1980	1008	1014	741	302	63	16			37	331	653	998	5163
1981	1214	754	739	295	145	7			40	313	514	866	4887
1982	1222	807	723	461	79	23		11	47	284	474	727	4858
1983	931	833	637	436	165	9		1	84	275	484	917	4772
1984	1198	750	888	470	204	14			108	175	590	689	5086
1985	1120	834	640	298	89	35			40	198	453	1015	4722
1986	984	927	686	443	151	7		14	24	207	582	864	4889
1987	1051	936	588	363	106	1			29	370	509	803	4756
1988	1155	860	649	438	140	48	3	2	59	435	505	908	5202
1989	870	851	721	427	165	2		1	53	240	596	1224	5150
1990	728	666	617	389	148	6	2	2	74	201	464	706	4003
1991	933	629											1562
MEAN	1017	864	723	403	150	19	0	2	59	276	555	892	
SD	146.52	113.47	91.34	68.24	46.90	13.18	1.36	4.74	31.31	72.86	69.97	130.04	

****SPL 30YR SUMMATION (1951 -1980)****

MEAN	1030	890	732	401	153	20	0	2	57	283	565	899
SD	124.51	112.17	91.85	69.54	49.64	12.66	1.50	4.85	31.72	69.32	72.78	123.10

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ PERIOD OF RECORD: JAN 49 - FEB 91
LST TO UTC: + 5

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1949			4	5	61	252	414	341	68	45			1190
1950					11	153	283	219	62	13	8		749
1951				1	32	165	324	277	92	23			914
1952				5	23	245	406	272	109	5			1065
1953				8	62	219	349	268	158	5			1069
1954				17	20	191	336	220	115	92			991
1955				1	84	150	480	394	112	21			1242
1956				11	34	223	267	281	115	2	3		936
1957				23	70	291	323	195	183	3			1088
1958				8	21	98	353	243	87	18			828
1959				4	120	231	317	331	207	91	5		1306
1960				21	31	205	282	297	104	11			951
1961				4	26	159	300	278	259	12	13		1051
1962			2	19	75	151	180	194	49	8			678
1963				3	49	171	292	178	51	8			752
1964				5	71	177	291	186	106	2			838
1965					81	153	247	255	154	6			896
1966					27	195	371	335	107	2	1		1038
1967				5	4	277	363	247	65	17			978
1968					11	154	328	316	158	21			988
1969				9	55	282	361	381	176	20			1284
1970				1	71	180	338	295	183	25			1093
1971					16	226	311	276	191	47	18		1085
1972			4		35	133	369	306	148	3			998
1973				16	22	236	348	373	151	17			1163
1974				19	48	130	308	303	113	2	8		931

1975			2	95	184	337	295	56	21	10	1000
1976			41	28	255	229	261	64	3		881
1977		9	19	74	150	343	296	161	3	2	1057
1978				53	180	220	349	86	7		895
1979				39	****	278	300	130	34	1	782
1980				96	208	452	434	214	3		1407
1981			13	55	194	334	233	113	3		945
1982			3	58	151	358	226	77	29	12	914
1983			18	43	223	426	375	202	33		1320
1984				26	256	272	297	78	32		961
1985		4	30	82	93	331	298	170	25	1	1034
1986				99	257	391	306	150	61		1264
1987				112	286	452	293	129		1	1273
1988				52	199	432	393	79	7		1162
1989		5		42	256	319	301	159	19	1	1102
1990		8	26	16	213	357	317	118	87	1	1143
MEAN		0	8	50	198	335	291	126	21	2	
SD		2.16	10.04	29.46	50.80	63.82	59.11	50.56	23.82	4.24	

****SPL 30YR SUMMATION (1951 -1980)****

MEAN		0	8	49	193	323	287	130	17	2
SD		1.80	9.79	29.20	48.45	62.78	61.34	52.63	22.78	4.44

A W S	STATION NAME: MCGUIRE AFB/WRIGHTSTOWN NJ	FIELD ELEV: 133 FT
	LATITUDE/LONGITUDE: 40 01 N 074 36 W	STATION MSC: 724096
CLIMATIC BRIEF	HOURLY OBS POR: MAR 81 - FEB 91	CALL SIGN: KWRI
	SUMMARY OF DAY POR: JUL 42-MAR 46, AUG 48-FEB 91	
	HOURS SUMMARIZED: 0000 - 2300 LST	SUPERSEDES: JAN 88
AUG 91	LST TO UTC: +05	

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	74	74	87	94	94	100	102	100	100	88	82	75	102	49
MEAN MAX TEMP (F)	39	42	50	61	72	81	85	83	76	66	55	43	63	49
MEAN TEMP (F)	32	34	42	51	62	71	76	74	67	56	46	35	54	49
MEAN MIN TEMP (F)	24	26	32	41	51	61	66	65	57	46	37	28	44	49
EXTRM MIN TEMP (F)	-8	-4	6	19	31	42	49	42	35	25	15	-1	-8	49
D/W TEMP GE 90 (F)	0	0	0	1	1	4	7	5	1	0	0	0	19	49
D/W TEMP GE 80 (F)	0	0	1	2	7	18	25	22	11	2	1	0	89	49
D/W TEMP LT 33 (F)	26	22	16	4	#	0	0	0	0	1	9	22	100	49
D/W TEMP LT 10 (F)	2	1	#	0	0	0	0	0	0	0	0	1	4	49
HEATING DEGREE DAYS	1017	864	723	403	150	19	#	2	59	276	555	892	4960	43
COOLING DEGREE DAYS	0	0	#	8	50	198	335	291	126	21	2	0	1031	43
MEAN DEWPOINT TEMP (F)	20	23	28	37	49	58	65	63	56	45	35	26	42	10
MEAN WET BULB TEMP (F)	28	31	36	45	55	63	68	67	60	50	42	32	48	10
99.95% WCPA (FT)	950	850	900	850	600	550	500	450	550	600	800	750	750	10
MEAN REL HUM 07 LST(%)	71.3	69.7	69.0	72.0	74.7	74.6	80.0	80.9	81.2	78.7	74.4	73.2	75.0	10
MEAN REL HUM 13 LST(%)	55.3	52.9	48.9	51.1	52.4	52.5	56.1	55.5	55.5	52.5	54.9	56.6	53.7	10
MAX 24HR PRECIP (IN)	2.23	2.41	2.29	3.69	2.91	4.06	5.94	9.61	4.26	3.32	3.40	2.66	9.61	49
MAX PRECIP (IN)	9.19	5.73	7.50	8.19	9.17	8.34	13.19	15.01	9.35	6.85	8.83	7.58	62.80	49
MEAN PRECIP (IN)	3.19	2.83	3.86	3.71	3.66	3.58	4.54	4.73	3.59	3.21	3.64	3.57	44.64	49
MIN PRECIP (IN)	.31	.73	1.14	.74	.23	.05	.71	.78	.82	.08	.24	.16	27.23	49
D/W PRECIP GE .01 (IN)	11	9	11	11	11	10	10	9	8	8	10	10	118	49
D/W PRECIP GT .50 (IN)	2	2	3	3	2	2	3	3	2	2	3	2	29	49
MAX 24HR SNFL (IN)	14.5	18.1	20.1	5.8	#	0	0	0	0	1.0	8.6	8.0	20.1	49
MAX SNFL (IN)	18.4	27.2	26.8	9.4	#	0	0	0	0	1.0	8.6	14.4	62.0	49
MEAN SNFL (IN)	6.7	6.4	4.1	.5	#	0	0	0	0	#	.7	3.5	22.6	49
D/W SNFL GE .1 (IN)	4	3	2	1	0	0	0	0	0	#	1	2	13	49
D/W SNFL GE 1.5 (IN)	2	1	1	1	0	0	0	0	0	0	1	1	7	49
MAX DLY SNO DEPTH (IN)	16	21	14	4	0	0	0	0	0	1	4	11	21	49
PRVLNG WND DIR (DEG)	29-31	29-31	29-31	29-31	$23-25	$23-25	$23-25	$20-22	$23-25	$23-25	$29-31	29-31	$29-31	10
MEAN WND SPD (KTS)	7	7	7	7	5	5	4	4	4	5	6	7	6	10
MAX WND SPD (KTS)	49	53	54	56	62	71	68	70	66	76	73	56	76	49
SKY COVER GT 5/10 (%)	59.0	60.5	57.6	59.5	64.5	59.1	58.2	55.1	52.5	51.0	56.4	61.4	57.9	10
D/W THUNDERSTORMS	1	1	1	2	4	6	7	6	2	1	1	#	32	49
D/W FOG (VSBY LT 7 MI)	13	12	14	14	17	17	20	22	18	17	14	14	192	49

LEGEND: ANN = ANNUAL
D/W = MEAN NUMBER OF DAYS WITH
& = BASED ON LESS THAN FULL MONTHS
** = INSTANTANEOUS PEAK WINDS
* = DATA NOT AVAILABLE
POR/YOR = PERIOD/YEARS OF RECORD
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE
= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

MONTH	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	00 - 02	19.0	22.2	14.9	22.0	21.4	16.9	18.7	17.2	18.4	18.3	20.0	17.2	18.8	10
	03 - 05	19.9	22.0	19.2	25.9	27.0	25.2	29.0	28.3	25.7	22.3	21.6	20.4	23.9	10
CIG	06 - 08	20.3	24.9	21.9	26.7	26.3	22.6	28.8	31.2	31.9	25.5	24.8	21.6	25.5	10
LT 3000 FT	09 - 11	20.9	23.0	18.7	21.8	22.0	17.6	17.2	15.6	19.3	16.1	21.1	20.5	19.5	10
AND/OR	12 - 14	20.0	21.3	17.4	20.6	18.3	11.2	10.6	10.1	13.6	12.8	19.3	19.6	16.2	10
VSBY	15 - 17	18.7	20.0	16.5	18.3	16.5	11.1	7.5	8.2	12.2	12.0	17.3	17.1	14.6	10
LT 3 MI	18 - 20	18.2	20.3	14.6	18.6	14.9	12.2	9.5	8.5	11.3	12.9	16.0	18.8	14.6	10
	21 - 23	18.7	19.0	15.9	19.4	17.8	12.2	12.0	10.6	13.4	14.0	17.9	18.2	15.8	10
	ALL	19.5	21.6	17.4	21.7	20.5	16.1	16.7	16.2	18.2	16.7	19.7	19.2	18.6	10
	00 - 02	14.3	18.0	12.5	18.4	15.9	15.2	14.3	13.5	13.6	13.5	15.3	14.6	14.9	10
	03 - 05	14.9	17.7	15.5	19.7	22.8	24.1	25.7	24.3	20.3	17.5	15.6	15.7	19.5	10
CIG	06 - 08	15.5	19.4	16.5	21.9	23.5	20.6	25.4	27.6	27.4	21.1	17.6	17.4	21.2	10
LT 1500 FT	09 - 11	16.6	19.3	14.3	15.9	15.9	12.4	11.3	10.0	13.7	11.9	14.4	14.9	14.2	10
AND/OR	12 - 14	16.6	16.1	12.9	12.3	11.4	8.3	4.6	4.4	6.9	8.0	11.7	14.1	10.6	10
VSBY	15 - 17	15.2	14.7	13.0	11.9	9.4	8.2	3.8	4.7	5.8	8.6	11.3	13.9	10.0	10
LT 3 MI	18 - 20	14.6	15.8	12.6	12.6	10.1	10.0	4.9	6.8	7.6	10.0	11.3	14.2	10.9	10
	21 - 23	14.8	15.1	13.1	14.8	12.7	10.9	7.8	8.4	9.8	10.5	13.7	13.4	12.1	10
	ALL	15.3	17.0	13.8	15.9	15.2	13.7	12.2	12.5	13.1	12.6	13.9	14.8	14.2	10
	00 - 02	12.8	15.0	10.8	14.9	13.3	13.4	9.7	8.1	9.1	10.9	12.4	12.0	11.9	10
	03 - 05	12.3	15.6	11.7	16.7	19.1	18.6	17.1	16.3	15.9	14.5	12.0	13.2	15.2	10
CIG	06 - 08	12.4	17.1	13.7	17.9	19.6	15.7	16.9	19.1	21.2	16.2	12.9	14.4	16.4	10
LT 1000 FT	09 - 11	13.7	16.0	10.9	13.0	11.4	9.0	7.7	4.4	7.0	9.0	10.4	11.8	10.4	10
AND/OR	12 - 14	13.7	11.8	9.7	9.1	7.0	4.7	2.7	2.8	3.6	6.2	7.9	11.8	7.6	10
VSBY	15 - 17	12.4	11.2	10.2	8.2	6.7	4.8	1.9	2.5	3.8	6.9	8.1	12.0	7.4	10
LT 2 MI	18 - 20	13.1	12.8	11.0	9.8	7.5	6.6	2.9	3.7	4.8	7.8	9.8	12.0	8.5	10
	21 - 23	13.1	12.7	11.2	12.3	10.1	8.9	4.1	5.3	6.8	8.8	11.7	11.7	9.7	10
	ALL	12.9	14.0	11.1	12.7	11.9	10.2	7.9	7.8	9.0	10.1	10.7	12.4	10.9	10
	00 - 02	2.7	2.7	1.7	2.6	3.1	3.9	2.2	1.0	.8	4.3	2.3	2.8	2.5	10
	03 - 05	1.7	3.9	1.8	2.9	5.6	6.7	3.0	3.0	3.4	4.7	2.6	1.7	3.4	10
CIG	06 - 08	1.3	3.9	2.3	2.2	4.0	2.8	1.1	2.7	3.8	3.8	2.7	1.9	2.7	10
LT 200 FT	09 - 11	1.7	1.4	.5	.0	.2	.0	.0	.0	.1	.5	.1	1.0	.5	10
AND/OR	12 - 14	1.8	.6	.4	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	10
VSBY	15 - 17	2.5	.8	.8	.0	.2	.1	.0	.0	.0	.3	.3	.4	.4	10
LT 1/2 MI	18 - 20	3.3	2.0	.9	.9	.0	.0	.1	.2	.2	1.1	.4	1.1	.8	10
	21 - 23	2.8	1.4	.5	2.4	.8	.9	.3	.4	.1	2.0	2.2	2.5	1.4	10
	ALL	2.2	2.1	1.1	1.4	1.7	1.8	.8	.9	1.1	2.1	1.3	1.5	1.5	10

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1900 - 1986

HR/TS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60NM	0/0	0/0	0/0	0/0	0/0	0/1	0/2	1/3	2/2	0/0	0/0	0/0	3/8
120NM	0/0	0/0	0/0	0/0	0/0	0/2	0/3	4/8	5/7	0/0	0/0	0/0	9/20
240NM	0/0	0/0	0/0	0/0	1/0	0/6	3/7	18/19	15/17	3/3	0/2	0/0	40/54

REMARKS : @

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